

**SCL II | 300497**

**General information**

|             |                                                                                                                                                                                                                                                              |
|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Description | Human SCL-II (SCL-II) is a member of the SCL family of transcription factors. It is a bHLH transcription factor that plays a role in the regulation of gene expression. It is involved in the differentiation of hematopoietic cells. Boukamp et al. (1983). |
| Organism    | Human                                                                                                                                                                                                                                                        |
| Tissue      | Brain, Heart                                                                                                                                                                                                                                                 |
| Disease     | Neuroblastoma, Leukemia                                                                                                                                                                                                                                      |
| Synonyms    | SCL-II, SCL-2, SCL2                                                                                                                                                                                                                                          |

**Cellular characteristics**

|                   |          |
|-------------------|----------|
| Age               | 91 days  |
| Gender            | Male     |
| Ethnicity         | Chinese  |
| Growth properties | Adherent |

**Cell culture conditions**

|                      |                               |
|----------------------|-------------------------------|
| Citation             | SCL II (SCL-II) Cytion 300497 |
| Biosafety level      | 1                             |
| NCBI_TaxID           | 9606                          |
| CellosaurusAccession | CVCL_A790                     |

**Genetic characteristics**

|                    |                                  |
|--------------------|----------------------------------|
| Protein expression | P53 (+)                          |
| Tumorigenic        | Not tumorigenic in Balb/c-nu/nu. |

|                      |                                                                                                                                                                                                                                                   |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Karyotype            | 46,XX,t(11;22)(p13;p11),der(22)t(11;22)(p13;p11)                                                                                                                                                                                                  |
| Genotype             | 46,XX,t(11;22)(p13;p11),der(22)t(11;22)(p13;p11)                                                                                                                                                                                                  |
| Culture Medium       | DMEM, w: 4.5 g/L D-glucose, w: 4 mM L-glutamine, w: 3.7 g/L NaHCO3, w: 1.0 mM sodium pyruvate (Gibco Cytion 820300a)                                                                                                                              |
| Supplements          | 10% FBS                                                                                                                                                                                                                                           |
| Dissociation Reagent | TrypLE Express (Life Technologies)                                                                                                                                                                                                                |
| Doubling time        | 40-50 hours                                                                                                                                                                                                                                       |
| Subculturing         | Cells are seeded into 25 cm2 flasks in DMEM supplemented with 10% FBS. When cells reach confluence, they are trypsinized and seeded into new flasks. The medium is changed to DMEM supplemented with 10% FBS. Cells are passaged every 2-3 weeks. |
| Split ratio          | 1:5 or 1:10                                                                                                                                                                                                                                       |
| Seeding density      | 1 x 104 cells/cm2                                                                                                                                                                                                                                 |
| Fluid renewal        | Every 2-3 days                                                                                                                                                                                                                                    |
| Freeze medium        | DMEM supplemented with 10% FBS, 10% DMSO, and 10% FBS (Gibco FBS) + 10% DMSO (Gibco DMSO) + 10% FBS (Gibco FBS)                                                                                                                                   |



**XIX SCL II | 300497**

**XXXXXXXXXX STR**

**Amelogenin: x,y**

**CSF1PO: 12**

**D13S317: 8,12**

**D16S539:** 10,11

**D5S818: 9**

**D7S820:** 8,12

**TH01: 8**

**TPOX: 8,11**

**vWA:** 15,17

**D3S1358:** 14

**D21S11:** 29

**D18S51: 17**

**Penta E: 13**

**Penta D: 9,13**

**D8S1179:** 12,13

**FGA: 26**

## XXXXXX HLA

**A\*:** 68:02:01

**B\*:** 07:02:01, 07:02:01