

DI TNC1 | 305343

Key Information

| | |
|--------------------|---|
| Description | DI TNC1 is a member of the TNC1 family, which is involved in cell-cell and cell-matrix interactions. It is a type I transmembrane protein with a single extracellular domain containing a fibronectin type I (FN1) domain. The protein is expressed in various tissues, including skin, muscle, and bone. It is involved in processes such as cell adhesion, migration, and signaling. The protein is also known to interact with integrins and other cell surface receptors. In the context of cancer, TNC1 has been shown to promote tumor growth and metastasis. It is a member of the TNC1 family, which is involved in cell-cell and cell-matrix interactions. It is a type I transmembrane protein with a single extracellular domain containing a fibronectin type I (FN1) domain. The protein is expressed in various tissues, including skin, muscle, and bone. It is involved in processes such as cell adhesion, migration, and signaling. In the context of cancer, TNC1 has been shown to promote tumor growth and metastasis. |
| Organism | Human |
| Tissue | Skin, Muscle, Bone |
| Disease | Cancer |
| Synonyms | DITNC1, DI-TNC1, DI TNC-1 |

Characteristics

| | |
|--------------------------|-------------------------------|
| Breed/Subspecies | Human |
| Age | Adult |
| Gender | Male |
| Morphology | Transmembrane protein |
| Cell type | Epithelial cells, Fibroblasts |
| Growth properties | High |

References

| | |
|------------------------|-------------------------|
| Citation | DI TNC1 (Cytion 305343) |
| Biosafety level | 2 |
| NCBI_TaxID | 10116 |

Product sheet

DI TNC1 | 305343

| | |
|-----------------------------|-----------------------------|
| CellosaurusAccession | CVCL_0247 |
| GMO Status | GMO-S1: (DI TNC1) SV40 GFAP |

DI TNC1 -

| | |
|---------------------------|---|
| Protein expression | 2 |
|---------------------------|---|

| | |
|--------------------|--|
| Tumorigenic | |
|--------------------|--|

| | |
|----------------|-----------|
| Viruses | 40 (SV40) |
|----------------|-----------|

DI TNC1

| | |
|-----------------------|--|
| Culture Medium | DMEM, w: 4.5 g/L, w: 4 mM L-, w: 3.7 g/L NaHCO ₃ , w: 1.0 mM (Cytion 820300a) |
|-----------------------|--|

| | |
|--------------------|---------|
| Supplements | 10% FBS |
|--------------------|---------|

| | |
|-----------------------------|--|
| Dissociation Reagent | |
|-----------------------------|--|

| | |
|---------------------|---|
| Subculturing | 3 |
|---------------------|---|

| | |
|----------------------|-----|
| Fluid renewal | 2 3 |
|----------------------|-----|

| | |
|----------------------|------------------|
| Freeze medium | (FBS) + 10% DMSO |
|----------------------|------------------|

DI TNC1 | 305343

Thawing and Culturing Cells

1. Thaw the cells quickly in a water bath at 37°C. Do not leave the cells at room temperature for more than 15 minutes.
2. Centrifuge the cells at 300 x g for 3 minutes. Resuspend the cells in 15 ml of complete medium.
3. Seed the cells into a T25 flask containing 10 ml of complete medium. Seed density: 1.5 x 10⁶ cells per flask.
4. Incubate the cells at 37°C with 5% CO₂ until they reach 70% confluency.
5. Harvest the cells by trypsinization. Seed density: 1.5 x 10⁶ cells per flask.
6. Seed the cells into a T25 flask containing 10 ml of complete medium. Seed density: 1.5 x 10⁶ cells per flask.
7. Incubate the cells at 37°C with 5% CO₂ until they reach 70% confluency.
8. Harvest the cells by trypsinization. Seed density: 1.5 x 10⁶ cells per flask.

Incubation Atmosphere

37°C, 5% CO₂, humidified

Flask Coating

None

Freezing Procedure

Resuspend cells in 1 ml of freezing medium and freeze at -80°C.

Shipping Conditions

Store at -80°C during shipping.

Storage Conditions

Store at -150°C for up to 196 weeks.

Genotype / HLA

Sterility

Cells are tested for mycoplasma contamination using PCR. Cells are also tested for sterility using a validated method.