

HEK293-IL13RA2 | 305988

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Description	IL13RA2 is a member of the IL13 receptor family. It is a type I transmembrane protein with an extracellular domain containing two cysteine-rich regions and a single Ig-like domain. The intracellular domain is a single-pass transmembrane helix. IL13RA2 is expressed in various tissues, including liver, spleen, and thymus. It is involved in the signaling pathway for IL-13, which is a cytokine that plays a role in immune responses. IL13RA2 is also involved in the regulation of B cell development and function. The gene is located on chromosome 10p12.1. The protein is encoded by the IL13RA2 gene. The protein is a type I transmembrane protein with an extracellular domain containing two cysteine-rich regions and a single Ig-like domain. The intracellular domain is a single-pass transmembrane helix. IL13RA2 is expressed in various tissues, including liver, spleen, and thymus. It is involved in the signaling pathway for IL-13, which is a cytokine that plays a role in immune responses. IL13RA2 is also involved in the regulation of B cell development and function. The gene is located on chromosome 10p12.1. The protein is encoded by the IL13RA2 gene.
Organism	Human
Tissue	Liver, Spleen, Thymus
Disease	IL13RA2 deficiency; IL13RA2-related immunodeficiency (OMIM 615293) (MIM 615293 HEK293)
Applications	IL13RA2 is used in the study of IL-13 signaling and B cell development. It is also used in the study of immunodeficiency diseases. IL13RA2 is used in the study of IL-13 signaling and B cell development. It is also used in the study of immunodeficiency diseases. IL13RA2 is used in the study of IL-13 signaling and B cell development. It is also used in the study of immunodeficiency diseases.

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Age	□□□□
Gender	□□□□
Morphology	□□□□ □□□□
Cell type	□□□ □□□□
Growth properties	□□□□ □□□, □□□□□

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Citation	HEK293-IL13RA2 (GenBank: F05988) Cytion 305988)
Biosafety level	1
NCBI_TaxID	9606
CellosaurusAccession	CVCL_6G27
GMO Status	GMO-S1: HEK293 cells expressing IL13RA2, derived from HEK293 cells, which are not considered GMOs under the current regulatory framework.

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Supplements 10% FBS, 1 mM β -mercaptoethanol, 10 mM HEPES, 1% NEAA. Geneticin (G418-Sulfat) 1 mg/ml

Doubling time ☒-24-36 ☒☒☒☒

Split ratio 1 : 5

Fluid renewal 2 3

Freeze medium DMEM supplemented with 10% FBS + 10% DMSO (FBS) + 10% DMSO (DMSO)

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Thawing and
Culturing Cells

1. Remove the vial from liquid nitrogen storage, and immerse the vial in a water bath at 37°C for 1-2 minutes. Do not allow the vial to boil.
2. Remove the vial from the water bath, and immediately transfer the cells to a pre-warmed tube. Centrifuge at 300 x g for 3 minutes. Remove the supernatant, and resuspend the cells in 1 ml of pre-warmed medium.
3. Seed the cells into a 25 cm² flask containing 10 ml of pre-warmed medium. Incubate at 37°C in 5% CO₂ for 24 hours.
4. After 24 hours, the cells should be visible. If the cells are not visible, the cells may be dead. In this case, the cells should be discarded.
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Incubation
Atmosphere

37°C, 5% CO₂, humidified

Shipping
Conditions

Cells are shipped in a dry ice container. The container should be kept at -78°C until the cells are received.

Storage
Conditions

Cells should be stored at -150°C in liquid nitrogen. The storage time is up to 196 weeks.

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Sterility

Cells are tested for sterility using PCR. The results are available within 24 hours.

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