

IL13RA2 / CD213A2 active protein

Recombinant Mouse IL13RA2 / CD213A2 Protein (His tag)

CATALOG # AAA173596	HOST HEK293 Cells
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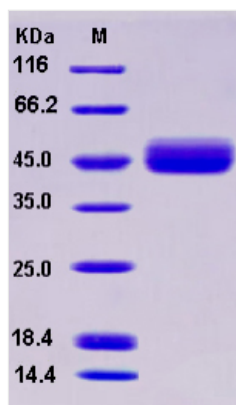
PRODUCT SYNONYMS

IL13RA2 / CD213A2; Recombinant Mouse IL13RA2 / CD213A2 Protein (His tag); CD213a2; IL13RA2 / CD213A2 active protein

PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Purity/Purification	> 98% as determined by SDS-PAGE
Form/Format	Lyophilized from sterile PBS, pH 7.4, 5% Trehalose, 5% Mannitol, 0.01% Tween 80.
Sequence Length	383
Species	Mouse
Sequence	Met 1-Lys 334
Tag	C-His
Bioactivity	Measured by its ability to inhibit IL13-dependent proliferation of TF1 human erythroleukemic cells. Kitamura, T. et al. (1989) J. Cell Physiol. 140: 323. The ED ₅₀ for this effect is typically 0.1-0.5 ug/mL.
Endotoxin	< 1.0 EU per ug of the protein as determined by the LAL method.
Reconstitution	It is recommended that 0.01M PBS, pH 7.4 (666 ul) be added to the vial to prepare a stock solution of 0.15mg/mL. Concentration is measured by UV-Vis.
Preparation and Storage	Lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months. Shipping: This product is provided as lyophilized powder which is shipped with ice packs.

IMAGES



SDS-PAGE

ADDITIONAL INFORMATION

Related Product Information for IL13RA2 / CD213A2 active protein	Interleukin-13 receptor subunit alpha-2 (IL13RA2/IL-13RA2) is also known as also known as cluster of differentiation 213A2 (CD213A2), IL-13 receptor subunit alpha-2, IL-13R subunit alpha-2, and IL-13RA2. The IL13RA2 is often overexpressed in brain tumors, making Il13ra2 one of the vaccine targets for immunotherapy of glioma. IL13RA2/IL-13RA2 is a cancer-associated receptor that is present in greater than 80% of High Grade Astrocytomas (HGA) and has recently been recognized as a cytokine that predisposes breast cancer cells to metastasize. Expression of IL13Ralpha2 was rapidly lost from the surface of transduced cells grown in culture. The loss appeared to be related to ligands present in fetal bovine serum in the medium. None of the malignant glioma cell lines cultivated in vitro and tested to date exhibited the IL13Ralpha2 receptor. A recombinant virus (R5111) enters cells via its interaction with the IL13Ralpha2 receptor in a manner that cannot be differentiated from the interaction of wild-type virus with its receptors.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6680405
NCBI GeneID	16165
NCBI Accession #	NP_032382.1
NCBI GenBank Nucleotide #	NM_008356.4
UniProt Accession #	O88786; Q3V2V5; A3F812
Molecular Weight	Molecular Mass: 38 kDa Actual Protein Molecular Mass: 45-50 kDa
NCBI Official Full Name	interleukin-13 receptor subunit alpha-2 isoform 1
NCBI Official Synonym Full Names	interleukin 13 receptor, alpha 2
NCBI Official Symbol	Il13ra2
NCBI Official Synonym Symbols	CD213a2; IL-13R-alpha-2
NCBI Protein Information	interleukin-13 receptor subunit alpha-2
UniProt Protein Name	Interleukin-13 receptor subunit alpha-2
UniProt Gene Name	IL13ra2
UniProt Synonym Gene Names	IL-13 receptor subunit alpha-2; IL-13R subunit alpha-2; IL-13R-alpha-2; IL-13RA2

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.