Recombinant Rat IL13RA2/CD213A2 Protein (His Tag)

Catalog Number:PKSR030320



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms IL13R;IL13RA2

Species Rat

Expression Host

Sequence

Met1-Lys336

Accession

Q8VHK6

Calculated Molecular Weight

Observed molecular weight

Tag

HEK293 Cells

Met1-Lys336

Q8VHK6

44 kDa

C-His

Bioactivity Measured by its ability to inhibit IL13-dependent proliferation of TF-1 human

erythroleukemic cells. The ED50 for this effect is typically 0.005-0.03 µg/mL.

Properties

Purity > 85 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per µg of the protein as determined by the LAL method.

Storage Generally, 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.

Formulation Lyophilized from sterile PBS, pH 7.4

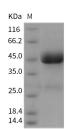
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

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 IL13R α 2 was rapidly lost from the surface of transduced cells grown in culture. The loss appeared to be related to ligands

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present in fetal bovine serum in the medium. None of the malignant glioma cell lines cultivated in vitro and tested to date exhibited the IL13R α 2 receptor. A recombinant virus (R5111) enters cells via its interaction with the IL13R α 2 receptor in a manner that cannot be differentiated from the interaction of wild-type virus with its receptors.

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