Recombinant Human IGF1R/CD221 Protein

Catalog No.: RP01143

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Sequence Information

Species
Human

Gene ID
3480

Swiss Prot
P08069

Tags
C-His

Synonyms
IGF1R,CD221,IGFIR,IGFR,JTK13

Product Information

Source
HEK293 cells

Purification
≥ 90 % as determined by SDS-PAGE.

Calculated MW
81 kDa(α chain), 23 kDa(β chain) , 104 kDa(single chain)

Observed MW
120 kDa (α chain), 48 kDa(β chain), 150 kDa (single chain),

Endotoxin
< 1 EU/μg of the protein by LAL method.

Formulation
Lyophilized from a 0.22 μm filtered solution PBS Buffer, pH 7.4.
Contact us for customized product form or formulation.

Reconstitution
Centrifuge the vial before opening. Reconstitute to a concentration of 0.1-0.5 mg/mL in sterile distilled water. Avoid vortex or vigorously pipetting the protein. For long term storage, it is recommended to add a carrier protein or stablizer (e.g. 0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose), and aliquot the reconstituted protein solution to minimize free-thaw cycles.

Background

This receptor binds insulin-like growth factor with a high affinity. It has tyrosine kinase activity. The insulin-like growth factor I receptor plays a critical role in transformation events. Cleavage of the precursor generates alpha and beta subunits. It is highly overexpressed in most malignant tissues where it functions as an anti-apoptotic agent by enhancing cell survival. Alternatively spliced transcript variants encoding distinct isoforms have been found for this gene.

Basic Information

Description
Recombinant Human IGF1R/CD221 Protein is produced by HEK293 cells expression system. The target protein is expressed with sequence (Met1-Asn932) of human IGF1R (Accession #NP_000866.1) fused with a 6×His tag at the C-terminus.

Activity

Shipping
Lyophilized proteins are shipped at ambient temperature.
Liquid proteins are shipped at frozen temperature with dry ice.
Upon receipt, store it immediately at the temperature recommended below.

Storage
Store at -20℃

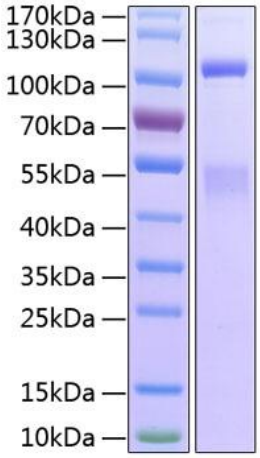
Operational Notes
For your safety and health, please wear a lab coat and disposable gloves for handling.

Contact

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For research use only. Not for therapeutic or diagnostic purposes.
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Validation Data



Recombinant Human IGF1R/CD221 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.