

PRODUCT INFORMATION

Target IGF-1R

Synonyms hyft;CD221;IGF1R

Recombinant mouse IGF-1R protein with C-Description

terminal 6×His tag

Delivery In Stock **Uniprot ID** Q60751 **Expression Host HEK293** Tag C-6×His Tag

Molecular

Background

Mouse IGF-1R(Glu31-His936) 6×His tag Characterization

The protein has a predicted molecular mass of **Molecular Weight** 104.5 kDa after removal of the signal peptide.

The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue

Purity

staining.

Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before Formulation & Reconstitution

lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.

Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not

intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Storage & Shipping

Lyophilized proteins are shipped at ambient

temperature.

Enables insulin-like growth factor binding activity. Involved in several processes, including adrenal gland development; positive regulation of cold-induced thermogenesis; and positive regulation of meiotic cell cycle. Acts upstream of or within several processes, including gland development; peptidyl-tyrosine autophosphorylation; and regulation of intracellular signal transduction. Located in T-tubule. Is integral component of

membrane. Is expressed in several structures, including alimentary system; brain; genitourinary system; limb; and lung. Human ortholog(s) of this gene implicated in several diseases, including dementia (multiple); kindney cancer (multiple); liver disease (multiple); nervous system cancer (multiple); and neurodegenerative disease (multiple). Orthologous to human IGF1R (insulin like growth factor 1 receptor). [provided by Alliance of Genome Resources, Apr 2022]

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Usage Research use only Conjugate Unconjugated



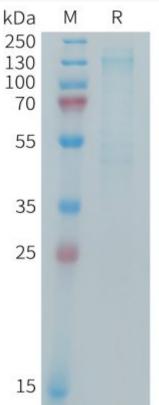


Figure 1. Mouse IGF-1R Protein, His Tag on SDS-PAGE under reducing condition.

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