

PRODUCT INFORMATION

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| Target | IGF-1R |
| Synonyms | hyft;CD221;IGF1R |
| Description | Recombinant mouse IGF-1R protein with C-terminal 6×His tag |
| Delivery | In Stock |
| Uniprot ID | Q60751 |
| Expression Host | HEK293 |
| Tag | C-6×His Tag |
| Molecular Characterization | Mouse IGF-1R(Glu31-His936) 6×His tag |
| Molecular Weight | The protein has a predicted molecular mass of 104.5 kDa after removal of the signal peptide. |
| Purity | The purity of the protein is greater than 85% as determined by SDS-PAGE and Coomassie blue staining. |
| Formulation & Reconstitution | Lyophilized from sterile PBS, pH 7.4. Normally 5 % - 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution. |
| Yefei_Storage | 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). Lyophilized proteins are shipped at ambient temperature. |
| Background | 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); kidney 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] |
| Usage | Research use only |
| Conjugate | Unconjugated |





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

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