

Igf2r recombinant protein

Recombinant Human Igf2r Protein (hFc Tag), HPLC-verified

CATALOG #
AAA259196

HOST
HEK293 Cells

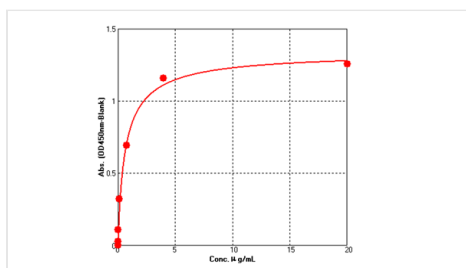
PRODUCT SYNONYMS

Igf2r; Recombinant Human Igf2r Protein (hFc Tag); HPLC-verified; insulin like growth factor 2 receptor; CI-M6PR Protein; Human; CIMPR Protein; Igf2r recombinant protein

PRODUCT SPECIFICATIONS

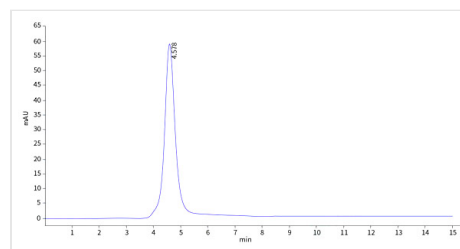
Host	HEK293 Cells
Purity/Purification	>= 95% as determined by SDS-PAGE. = 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Species	Human
Predicted N Terminal	Gln 41
Endotoxin	<1.0 EU per ug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human Igf2r (P11717)(Met1-Asp1365) was expressed with the Fc region of human IgG1 at the C-terminus.
Activity	Immobilized Recombinant Human TROP2/TACSTD2 Protein (His Tag) at 2 ug/mL (100 uL/well) can bind Recombinant Human Igf2r Protein (Fc Tag) , with a linear range of 0.16-4.0 ug/mL.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

IMAGES

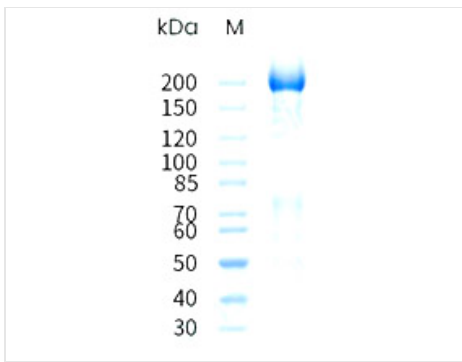


Application Data

Immobilized Recombinant Human TROP2 / TACSTD2 Protein (His Tag) (Cat: 10428-H08H) at 2 ug/mL (100 uL/well) can bind Recombinant Human Igf2r Protein (Fc Tag) (#AAA259196) , with a linear range of 0.16-4.0 ug/mL.



Application Data



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ADDITIONAL INFORMATION

Related Product Information for Igf2r recombinant protein	Among IGFs, insulinlike growth factor 2 (IGF2) is a key regulator of cell growth, survival, migration and differentiation. The type 2 IGF receptor (IGF2R) modulates circulating and tissue levels of IGF2 by targeting it to lysosomes for degradation. The extracytoplasmic region of IGF2R has three binding sites: one for IGF2 in domain 11 and two for Man-6-P in domains 3, 5 and 9. Binding between IGF2 and IGF2R induces the lysosomal degradation of IGF2. IGF2R serves to clear IGF2 from the circulation or degrade excess circulating IGF2. Soluble IGF2R can affect the size of some organs exclusively by reducing the biological activity of IGF2.
References	Bella P, et al. (2020) Blockade of igf2r improves muscle regeneration and ameliorates duchenne muscular dystrophy. EMBO Mol Med 12 (1): e11019.

NCBI AND UNIPROT INFORMATION

Molecular Weight	The recombinant Human Igf2r consisting of 1563 amino acids and has a calculated molecular mass of 173.22 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 196.1 kDa protein in SDS-PAGE under reducing conditions.
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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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
 Online datasheet: <https://stage.aaabiotech.com/igf2r-recombinant-protein-hek293-cells/259196>