

Recombinant Human IGF1R Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. IGF1R-595H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	IGF1R MS Standard C13 and N15-labeled recombinant protein (NP_000866) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	154.79 kDa
AA Sequence	MKSGSGGGSPSTSLWGLLFLSAALSLWPTSGEICGPGIDIRNDYQQLKRLNCTVIEG YLHILLISKAEDYRSYRFPKLTVITEYLLLFRVAGLESLGDLFPNLTVIRGWKLFYNYAL VIFEMTNLKDIGLYNLRNITRGAIRIEKNADLCYLSTVDWSLILDAVSNNYIVGNKPPKE CGDLCPGTMEEEKPMCEKTTINNEYNYRCWTTNRCQKMCPSTCGKRACTENNECC HPECLGSCSAPDNDTACVACRHYYYAGVCVPACPPNTYRFEGWRCVDRDFCANIL SAESSDSEGFVIHDGECMQECPSGFIRNGSQSMYCIPCEGPCPKVCEEEKKTKTIDS VTSAQMLQGCTIFKGNLLINIRRGNNIASELENFMGLIEVVTGYVKIRHSHALVSLSFL

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KNLRLILGEEQLEGNYSFYVLDNQNLQQLWDWDHRNLTIKAGKMYFAFNPKLCVSEI
 YRMEEVTGKGRQSKGDINTRNNGERASCESDVLHFTSTTTSKNRIITWHRYRPPD
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 WNPPSLPNGNLSYYIVRWQRQPQDGYLYRHNYCSKDKIPIRKYADGTIDIEEV TENP
 KTEVCGGEKGPPCACPKTEAEKQAEKEEAERYKVFENFLHNSIFVPRPERKRRDVM
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 DIHSCNHEAEKLGCSASN FVFARTMPAEGADDIPGPVTWEPRPENSIFLKWPEPEN
 PNGLILMYEIKYGSQVEDQRECVSRQEYRKYGGAKLNRLNPGNYTARIQATSLSGN
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 YASVNPEYFSAADVVPDEWEVAREKITMSRELGQGSFGMVYEGVAKGVVKDEPE
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 GDLKSYLRSLRPEMENNPVLAPPSLSKMIQMAGEIADGMAYLNANKFVHRDLAARN
 CMVAEDFTVKIGDFGMTRDIYETDYRKGKGKLLPVRWMSPELSKDG VFTTYS DV
 WSFGVVLWEIATLAEQPYQGLSNEQVLR FVMEGGLLDKPDNCPDMLFELMRMCW
 QYNPKMRPSFLEIISSIKEEMEPGFREVSFY YSEENKLPEPEELDLEPENMESVPLDP
 SASSSSLPLPDRHSGHKAENGP GPGVLVLRASFDERQPYAHMNGGRKNERALPLP
 QSSTCTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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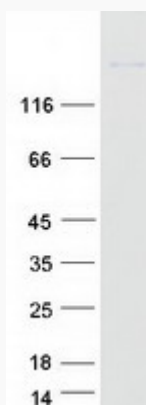
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GENE INFORMATION

Gene Name	IGF1R insulin-like growth factor 1 receptor [Homo sapiens (human)]
Official Symbol	IGF1R
Synonyms	IGF1R; insulin-like growth factor 1 receptor; CD221; IGFI R; IGFR; JTK13; MGC18216; IGF-I receptor; soluble IGF1R variant 1; soluble IGF1R variant 2; insulin-like growth factor I receptor; MGC142170; MGC142172;
Gene ID	3480
mRNA Refseq	NM_000875
Protein Refseq	NP_000866
MIM	147370
UniProt ID	P08069

SDS-PAGE



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