

Recombinant Porcine IGF1R Protein, His-tagged

Cat. No. IGF1R-51P **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Porcine IGF1R Protein, fused to His-tag, was expressed in HEK293.
Species	Porcine
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.
Form	PBS, pH7.4.
Molecular Mass	103 kDa
AA Sequence	EICGPGIDIRNDYQQLKRENLCTVIEGYLHILLISKAEDYRSYRFPKLTVITEYLLLFRVAGLESGLDLFPNLTVIRGWKLFYNYALVIFEMTNLKDIGLYNLRNITRGAIRIEKNADLCYLSTVDWSLILDAVSNYYVGNKPPKECGDLCPGTLEEKPLCEKTTINNEYNYRCWTTNRCQKMCPSVCGKRACTENHECCHPECLGSCSAPDNDTACVACRHHYYAGVCVPSCPPNTYRFEGWRCVDRDFCANIPSAESSDSEGFVIHDGECMQECPSGFIRNGSQSMYCIPCEGPCPKVCEEEKKTIDSVTSAQMLQGCTIFKGNLLINIRRGNNIASELENFMGLIEVVTGYVKIRHSHALVSLSFLKNLRQILGEEQLEGNYSFYVLDNQNLQQLWDWDHRNLTIKAGKMYFAFNPKLCVSEIYRMEEVTGTKGRQSKGDINTRNNGERASCE

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SDVLHFTSTTTWKNRIITWHRYRPPDYRDLISFTVYYKEAPFKNVTEYDGQDACGS
 NSWNMVDVDLPPNKDVEPGILLHGLKPWTQYAVYVKAVTLTMVENDHIRGAKSEILY
 IRTNASVPSIPLDVLSSASNSSSQLIVKWNPPSLPNGNLSYYIVRWQRQPQDSYLYRH
 NYCSKDKIPIRKYADGTIDVEEATENPKTEVCGGEKGPCCACPKTEAEKQAEKEEAE
 YRKVFENFLHNAIFVPRPERKRREVMQVANTTMSSRSRNTTVVDTYNVTDPEELET
 EYPPFESRVDNKERTVISNLRPFTLYRIDIHSCNHEAEKLGCSASNFFVFARTMPAEGA
 DDIPGPVTWEPRPENSIFLKWPEPENPNGLILMYEIKYGSQVEDQRECVSRQEYRKY
 GGAKLNRLNPGNYTARIQATSLSGNGSWTEPVFFYVQAKTTYENHHHHHH

Purity >90%

Storage Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

Concentration 0.5 mg/ml

GENE INFORMATION

Gene Name IGF1R insulin like growth factor 1 receptor [*Sus scrofa* (pig)]

Official Symbol IGF1R

Synonyms IGFR; CD221; IGFI; JTK13

Gene ID 397350

mRNA Refseq NM_214172

Protein Refseq NP_999337

UniProt ID F1CK17

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