

Product datasheet for **TP700109**

IGF1 Receptor (IGF1R) (NM_000875) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human insulin-like growth factor 1 receptor (IGF1R), with C-terminal DDK/His tag, expressed in human cells
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	A DNA sequence from TrueORF clone, RC600009, encoding the extracellular domain (Asp741-His935) of human PDGFRB
Tag:	C-DDK/His
Predicted MW:	25 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	PBS, pH 7.4, 10% glycerol
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_000866
Locus ID:	3480
UniProt ID:	P08069
RefSeq Size:	12235
Cytogenetics:	15q26.3
RefSeq ORF:	4104
Synonyms:	CD221; IGFIR; IGFR; JTK13



[View online »](#)

Summary:

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. [provided by RefSeq, May 2014]

Protein Families:

Druggable Genome, Protein Kinase, Transmembrane

Protein Pathways:

Adherens junction, Colorectal cancer, Endocytosis, Focal adhesion, Glioma, Long-term depression, Melanoma, Oocyte meiosis, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer

Product images: