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Product datasheet for RC215594L1V

IGF2R (NM_000876) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	IGF2R (NM_000876) Human Tagged ORF Clone Lentiviral Particle
Symbol:	IGF2R
Synonyms:	CD222; CI-M6PR; CIMPR; M6P-R; M6P/IGF2R; MPR1; MPR 300; MPR300; MPRI
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
Tag:	Myc-DDK
ACCN:	NM_000876
ORF Size:	7473 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC215594).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_000876.1
RefSeq Size:	9090 bp
RefSeq ORF:	7476 bp
Locus ID:	3482
UniProt ID:	P11717
Cytogenetics:	6q25.3
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Lysosome

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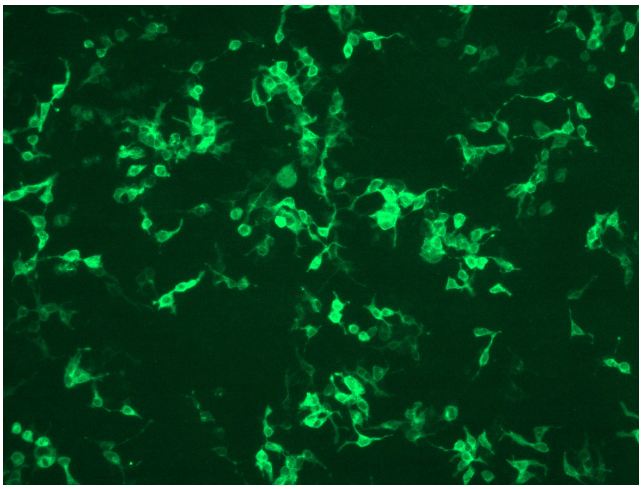
MW: 274.26 kDa

Gene Summary: This gene encodes a receptor for both insulin-like growth factor 2 and mannose 6-phosphate. The binding sites for each ligand are located on different segments of the protein. This receptor has various functions, including in the intracellular trafficking of lysosomal enzymes, the activation of transforming growth factor beta, and the degradation of insulin-like growth factor 2. Mutation or loss of heterozygosity of this gene has been association with risk of hepatocellular carcinoma. The orthologous mouse gene is imprinted and shows exclusive expression from the maternal allele; however, imprinting of the human gene may be polymorphic, as only a minority of individuals showed biased expression from the maternal allele (PMID:8267611). [provided by RefSeq, Nov 2015]

Product images:



[RC215594L1] was used to prepare Lentiviral particles using [TR30037] packaging kit. HEK293T cells were transduced with RC215594L1V particle to overexpress human IGF2R-Myc-DDK fusion protein.