

Cation-independent mannose-6-phosphate receptor

Catalog No: #AP79148



Package Size: #AP79148-1 50ug #AP79148-2 100ug #AP79148-3 1mg

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Description

Product Name	Cation-independent mannose-6-phosphate receptor
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% by SDS-PAGE
Species Reactivity	Mouse
Immunogen Description	Recombinant protein
Other Names	300 kDa mannose 6-phosphate receptor, Insulin-like growth factor 2 receptor, Insulin-like growth factor II receptor, M6P/IGF2 receptor, MPR 300, IGF-II receptor, M6P/IGF2R, CD222
Accession No.	Q07113 Gene name: Igf2r
Uniprot	Q07113
GeneID	16004;
Tag Info	His
Formulation	50mM NaH ₂ PO ₄ , 500mM NaCl Buffer with 500mM Imidazole, 10% glycerol (pH 8.0)
Storage	Store at -20C. (Avoid repeated freezing and thawing.) Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

Background

Acts as a positive regulator of T-cell coactivation, by binding DPP4 (By similarity). Transport of phosphorylated lysosomal enzymes from the Golgi complex and the cell surface to lysosomes. Lysosomal enzymes bearing phosphomannosyl residues bind specifically to mannose-6-phosphate receptors in the Golgi apparatus and the resulting receptor-ligand complex is transported to an acidic prelysosomal compartment where the low pH mediates the dissociation of the complex. This receptor also binds IGF2.

References

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Note: This product is for in vitro research use only