

## Product datasheet for **RC201277L3V**

### **M6PR (NM\_002355) Human Tagged ORF Clone Lentiviral Particle**

#### **Product data:**

Product Type:	Lentiviral Particles
Product Name:	M6PR (NM_002355) Human Tagged ORF Clone Lentiviral Particle
Symbol:	M6PR
Synonyms:	CD-M6PR; CD-MPR; MPR-46; MPR 46; MPR46; SMPR
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_002355
ORF Size:	831 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC201277).
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. <a href="#">More info</a>
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:	<a href="#">NM_002355.2</a>
RefSeq Size:	2583 bp
RefSeq ORF:	834 bp
Locus ID:	4074
UniProt ID:	<a href="#">P20645</a>
Cytogenetics:	12p13.31
Domains:	Man-6-P_recep
Protein Families:	Druggable Genome, Transmembrane



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**Protein Pathways:** Lysosome

**MW:** 31 kDa

**Gene Summary:** This gene encodes a member of the P-type lectin family. P-type lectins play a critical role in lysosome function through the specific transport of mannose-6-phosphate-containing acid hydrolases from the Golgi complex to lysosomes. The encoded protein functions as a homodimer and requires divalent cations for ligand binding. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. A pseudogene of this gene is located on the long arm of chromosome X. [provided by RefSeq, May 2011]