

Product datasheet for **MC208920**

M6pr (NM_010749) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: M6pr (NM_010749) Mouse Untagged Clone
Tag: Tag Free
Symbol: M6pr
Synonyms: CD-MPR; Mpr46
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC208920 representing NM_010749
Red=Cloning site **Blue**=ORF **Orange**=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**GCGATCGCC**

ATGTTCCCTTCTCTGGCTGCTGGAGGACTGAACTGTTATTGTTGCTACTCCTGGCTGTGGCTGTGAGAG
AATCCTGGCAGATAGAAGAAAAATCGTGTGACCTGGTAGGAGAGAAGGATAAAGGAGTCAAAGAACGAGGT
GGCTCTCTGGAGAGGTTACGGCCACTGTTTAAACAAAAGTTTTGAGAGTACTGTGGCCAGGGCTCAGAC
ACATACAGCTACATATTCAGAGTATGCCGGAAGCTAGCAACCACTCCTCTGGAGCAGGCCTGGTCCAGA
TCAACAAAAGCAATGACAAGGAGACAGTGGTTGGGAGAATCAACGAGACTCACATCTTCAATGGAAGTAA
TTGGATCATGCTGATATATAAAGGGGGTGATGAATATGACAACCACTGTGGCAAAGAGCAGCGCCGTGCA
GTGGTGATGATCTCCTGCAATCGGCACACACTAGCGGCTAATTTTAAACCCAGTGTCTGAGGAACGAGGCA
AAGTCCAGGATTGCTTCTACCTCTTTGAGATGGATAGCAGCCTGGCCTGTTCCACCAGAGGTCTCACACCT
CAGTGTGGGCTCGATCTTACTTGCATATTTGCATCATTGGTTGCTGTCTATATCATTGGGGTTTCTTA
TACCAGCGACTGGTAGTGGGGCCAAGGGAATGGAGCAGTTTCTCATCTGGCCTTCTGGCAGGATCTTG
GCAACCTAGTAGCTGATGGTTGTGACTTTGTGTGCCGATCAAACCCGCAATGTGCCTGCAGCATATCG
TGGAGTGGGAGATGACCAGCTGGTGAAGAGTCGGAAGAAAGGGATGATCATCTGCTACCAATGTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
ACCN: NM_010749
Insert Size: 837 bp



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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_010749.6 , NP_034879.2
RefSeq Size:	2258 bp
RefSeq ORF:	837 bp
Locus ID:	17113
UniProt ID:	P24668
Cytogenetics:	6 57.52 cM
Gene Summary:	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.[UniProtKB/Swiss-Prot Function]