

Product datasheet for **SC214654**

M6PR (NM_002355) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	M6PR (NM_002355) Human 3' UTR Clone
Symbol:	M6PR
Synonyms:	CD-M6PR; CD-MPR; MPR-46; MPR 46; MPR46; SMPR
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_002355
Insert Size:	1487 bp



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Insert Sequence: >SC214654 3'UTR clone of NM_002355
 The sequence shown below is from the reference sequence of NM_002355. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GAAAGGGATGACCATTTATTACCAATGTAGATTGCACTTTATATGTCCAGCCTCTTCTCAGTCCCCCA
AACCAAAGCTACACAGCCAGATTCTCAAGCAGTCTCAACTCCAGTCCCTCATCTCACCCCTACTATTG
CTCTTGCTTTCCAGTTTGCTTTTGATTTGCATCTTCTCACTAGTAAAAGTGCCTTCCCTTTGTTCTTA
TTTTCTGTTTTTCTCTAGAGAGGTACAGTTGTAAGTCAGAGTTAATAAATAGGGCCTGTGAAACAG
AGGCTTTTGCATTGTCTTGTACATCAGAAGTTACAATAGGCATATGGGCAAAATGGTGTAGCAGGCTC
ACTGGCCGTTTGTAAAAACACATTTTACAAGTTTTTGTAGACTGGATTCTTTAATTAATAAAAAA
AAATGCCAAGAAACATTATTTATACAGGGTTGATTGCTTTTGTGTTATTCTGTACCCTATAGTAGC
CTCCATGAGAATCTGGTATTTCTTGTGCTTGGAACTACTTTGCAGTGATTACTTGGTTGCAGTCCAAG
TACTCTCGTTTAGTCTGAGCCTGGAGATGTTCTAGACTTGCTTCTCCACCTCTGAGATTAGGACAGGA
AAAATGTGAAATTTCCCAATTACAGGATTATACGGTACCATCACATCATTGTGGAAATGGGGTGACT
GTATAGCTGGGATTGGGCTAAGGACTGTGGTCTTATCTGTCCACATACAGCCAAAATGCCTATCCAGAA
ATCCAGTTCGTTGGAAAGGAAAATGGTACTCCTGTGCCACAGGGGTTCCAGAAAAGGGAAGTCACTTT
ACCTTGCGGTGGTGGGATCCTGATGTCTTTTATCCATTTGTAGTAAAAGTGGTAAAGCTTTTCTACT
CCTGGTTCCTACCAGTATTTCTAAACATGTCGCACTTTCTCCACAGGCATGTGGTTTTGACCTTTTTT
TCAATCTTCTAGAAAGGGAACGGAAGCAGAAGTGGGACATCGAGGGCTCTGCTGCCTCTGCGCTGGGT
GTGGAATGCTGCTGCACCTGTCCTTTCTGCTGGCTCAGGGAAGTGTCTTTGCCACATTTCTGTGGG
GAAAGGTTTTTAATCCTCTGATGCTTCCATCTTCTGTTTAGGCCATGTGCCCAGAAAACCTGGACTGAT
CTTTCTTAATAGTGAACCCCTGGGCCACTGAAGAGTAACATGGCTCCACTGGACACAAAAGAGGGATG
GAATCAACAGGCAGGGGCTTTTATAAGCCTTAGGAAAAGAAAATGAAACTATTTTATCTTTGGACTT
TTCAATACTATTGGAGTGATTTTTTTCTTCTAAACAGGGAAAATATGTTACAAAAGCATCTTTTTTTG
TTATTTGTTTGCATCCCTCCCCACACCCTGGTGTAAAAATGAAGAAAAAAAACCATCACCTTTTGT
ACAAAAACTCTTAATGATTAATAAAAAACAACAAAACATA
ACGCGTAAGCGGCCGCGCATCTAGATTGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences, e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 µg dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_002355.4](#)

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]

Locus ID: 4074

MW: 56.2