

Product datasheet for **MC224543**

Mrc2 (NM_008626) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Mrc2 (NM_008626) Mouse Untagged Clone
Tag: Tag Free
Symbol: Mrc2
Synonyms: Endo180; mKIAA0709; uPARAP
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
Fully Sequenced ORF: >MC224543 representing NM_008626
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGTACCCATCCGACCTGCCCTCGCGCCCTGGCCTCGTACCTGCTGCGCTGCGTCTTGCTTCTCGGGG
GACTGCGTCTCGCCACCCGGCGACTCCGCCCGCCCTCCTGGAGCCTGATGTCTTCTCATCTTCAG
CCAGGGGATGCAGGGCTGTCTGGAGGCCAGGGTGTGCAGTCCGAGTACCCCACTGCAATGCCAGT
CTCCCTGCCAGCGCTGGAAGTGGTCTCCCGAACCGACTCTTCAACCTGGGTGCCACACAGTGCCTGG
GTACAGGCTGGCCAGTACCAACACCACAGTTTCTTGGGCATGTATGAGTGTGACAGAGAGGCCTTGAG
TCTTCGATGGCAGTGTCTGACACTAGGGGACCAGTTGTCCTGCTTCTGGGGGCTCGTGCAAGCAATGCA
TCCAAGCCTGGCACCCCTGGAGCGCGGTGACCAGACCCGAGTGGCCATTGGAACATCTATGGCAGTGAAG
AAGACCTATGTGCTCGACCTTACTATGAGGTCTACACCATCCAGGGAACTCACACGAAAGCCGTGCAC
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TGGTGTGCCACCACCCAGGACTACGGCAAAGATGAGCGCTGGGGCTTCTGCCCATCAAGATAACGACT
GTGAGACCTTCTGGGACAAAGACCAGTACTGACAGCTGTTACCAGTTAACTTCCAATCCACACTGTC
CTGGAGGGAGGCCTGGGCCAGCTGCGAGCAGCAGGGTGCAGACTTGTGAGTATCACGGAGATCCACGAG
CAGACCTACATCAACGGGCTCCTCACGGCTACAGCTCCACGCTATGGATTGGCCTTAATGACCTGGATA
CCAGTGGAGGCTGGCAGTGGTACAGACAACCTCACCCCTCAAGTACCTCAACTGGGAGAGTATCAGCCGGA
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CTTTGAGCCCAACAACCTTTCGTGACAGCCTGGAGGACTGTGTACCATCTGGGGGCCGGAAGGACGCTGG
AACGACAGTCCCTGTAACCAAGTCCCTGGCATCCATTTGCAAGAAGGCAGGCCGGCTGAGCCAGGGCGCTG



CGGAGGAGGACCACGGCTGCCGGAAGGGTTGGACGTGGCATAGCCCATCCTGCTACTGGCTGGGAGAGGA
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 AGGTTTGAAGCAGGCCTTCGTGAGCAGCCTCATCTATAACTGGGAGGGCGAATACTTCTGGACAGCCCTGC
 AAGACCTCAACAGTACTGGCTCCTTCGGTTGGCTCAGTGGGGATGAAGTCATATATACCCATTGGAATCG
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 GTGAAGAACTGCACATCGTTCGGGGCTCGCTACATCTGCCGACAGAGCCTGGGCACACCCGGTACACCCAG
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 GAACCGCAGAGACCCTAGAGAGGGTACAGCTGGCGCTGGAGCGACGGTCTAGGGTTTTCTACCACAAT
 TTTGCCGGAGCCGACATGATGACGATGATATCCGAGGCTGTGCAGTCTGGACCTGGCCTCCCTGCAGT
 GGGTACCCATGCAGTCCAGACGCAGCTTACTGGATCTGCAAGATCCCTAGAGGTGTGGATGTGCGGGA
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 CACCCTCCTCGTGGGCGCAGGCACAGCGCATCTGCACCTGGTTCAGGCAGATCTGACCTCCGTTTACA
 GCCAAGCAGAAGTGGACTTCTGGGGCAAACCTGCAGAAGCTGTCTCAGACCAGGAGCAGCACTGGTG
 GATCGGCCTGCACACCTTGGAGAGTGACGGACGCTTCAGGTGGACAGATGGTTCTATTATAAACTTCATC
 TCTTGGGCACCGGAAAACCTAGACCCATTGGCAAGGACAAGAAGTGTGTATACATGACAGCCAGACAAG
 AGGACTGGGGGGACCAGAGGTGCCATACGGCTTGGCCCTACATCTGTAAGCGCAGCAATAGCTCTGGAGA
 GACTCAGCCCCAAGACTTGCACCTTACGCTTAGGAGGCTGCCCTCCGGTTGGAACAGTTTCTCAAT
 AAGTGTTCGGAATCCAGGGCCAGGACCCCGAGCAGGGTGAATGGTCAAGGACAGTTCTCCTGTG
 AACAGCAAGAAGCCAGCTGGTACCATTGCAACCCCTTAGAGCAAGCATTATCACAGCCAGCCTCCC
 CAACGTGACCTTTGACCTTTGGATTGGCTGCATGCCTCTCAGAGGGACTTCCAGTGGATGAACAAGAA
 CCCTGTCTATACCAACTGGGCACAGGAGAGCCCTCTGGCCCCAGCCCTGCTCCAGTGGCACCAAGC
 CGACCAGCTGTGCGGTGATCCTGCACAGCCCTCAGCCACTTACTGGCCGCTGGGATGATCGGAGCTG
 CACAGAGGAGACGCATGGCTTCTGCCAGAAGGGCACAGACCCTCGTAAGCCCATCCCCAGCAGCA
 ACACCCCTGCCCGGGCGCTGAGCTCTCTATCTCAACCACACCTTCCGGCTGTGCAGAAGCCACTGC
 GCTGGAAGATGCTCTCCTGCTGTGTGAGAGCCGAAATGCCAGCCTGGCACACGTGCCCGATCCCTACAC
 ACAAGCCTTCTCACACAGGCTGCACGGGGCTGCAAACACCACTGTGGATCGGGCTGGCCAGTGGAGG
 GGCTCACGGAGGTATTCCTGGCTCTCAGAGGAGCCTCTGAATTATGTGAGCTGGCAAGATGAGGAGCCCC
 AGCACTCGGGAGGCTGTGCTACGTGGATGTGGATGGAACCTGGCGCACCCAGCTGTGATACCAAGCT
 GCAGGGGCGAGTGTGTGGGGTGCAGGGGGCCCCACCCGAAGGATAAACTACCGTGGCAGCTGTCTCT
 CAGGGCTTGGCTGACTCGTCTGGATTCCCTTACGGGAGCATTGCTATTCTTTCCACATGGAGGTGCTGT
 TGGGCCACAAGGAGGCGCTGCAGCGCTGTGAGAAAGCTGGTGGGACGGTTCTGTCCATTCTTGATGAGAT
 GGAGAATGTGTTGTCTGGGAGCACCTGCAGACAGCTGAAGCCCAAAGTCGAGGTGCCTGGTTGGGCATG
 AACTTCAACCCCAAAGGAGGCACGCTGGTCTGGCAAGACAACACAGCTGTGAACTATTCTAACTGGGGGC
 CCCCTGGCCTGGGCCCTAGCATGCTAAGCCACAACAGCTGCTACTGGATCCAGAGCAGCAGCGGACTGTG
 GCGCCCCGGGGCTTGTACCAACATCACCATGGGAGTTGTCTGCAAGCTCCCTAGAGTGAAGAGAACAGC
 TTCTTGCCATCAGCAGCCCTCCCGAGAGCCCGTTGCCCTGGTGGTGGTGTGACAGCGGTGCTGCTCC
 TCCTGGCCTTGTGACGGCAGCCCTCATCTCTACCGGCCCGACAGAGTGGGAGCGTGGGTCTCTCGA
 GGGGGCCCGCTACAGTCCGACGACCCACTCTGGCCCCGACAGGGCCACCGAGAAGAACATTCTGGTGTCT
 GACATGGAATGAACGAACAGCAAGAA TAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI
 ACCN: NM_008626
 Insert Size: 4440 bp

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_008626.3 , NP_032652.3
RefSeq Size:	5801 bp
RefSeq ORF:	4440 bp
Locus ID:	17534
UniProt ID:	Q64449
Cytogenetics:	11 E1
Gene Summary:	May play a role as endocytotic lectin receptor displaying calcium-dependent lectin activity. Internalizes glycosylated ligands from the extracellular space for release in an endosomal compartment via clathrin-mediated endocytosis. May be involved in plasminogen activation system controlling the extracellular level of PLAUR/PLAU, and thus may regulate protease activity at the cell surface. May contribute to cellular uptake, remodeling and degradation of extracellular collagen matrices. May participate in remodeling of extracellular matrix cooperating with the matrix metalloproteinases (MMPs).[UniProtKB/Swiss-Prot Function]