

Product datasheet for **MC200526**

Mvp (NM_080638) Mouse Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | Mvp (NM_080638) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Mvp |
| Synonyms: | 2310009M24Rik; LRP; VAULT1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC006709 sequence for NM_080638
 TCCTGACCTGTGGCCTGCAGCAGCCAGCTACCCTGCTAAATGTTAGGCCGGGCTTGGGATTACCATGG
 CAACTGAAGAGGCCATCATCCGCATCCCCCATACCACTACATCCATGTGCTGGACCAGAACAGTAATGT
 GTCCCGTGTAGAGGTTGGACAAAGACCTACATCCGGCAGGACAATGAGAGGGTACTGTTTGCCCCAGTT
 CGCATGGTGACGGTCCCACCACGCCACTACTGCATAGTGGCAACCCTGTGTCCCGGGACGCCAGAGTT
 CTGTGTTGTTGACGTCACAGGACAAGTCCGGCTCCGGCAGCTGACCAGGAGATCCGACTAGCCAGGA
 CCCCTCCCTCTGTACCCAGGGGAGCTGCTGAAAAGGACATCACCCCGCTGCAGTGGTCTGCCAAC
 ACTGCCCTGCATCTGAAGGCATTGCTGGACTTTGAAGATAAGAATGGAGACAAGGTCATGGCAGGAGACG
 AGTGGCTGTTTGAAGGACCTGGCACCTACATCCCACAGAAGGAGGTGGAAGTCGTGGAGATCATTACGGC
 CACAGTCATCAAACAGAACCAAGCTCTGCGGCTCAGGGCCGCAAGGAATGCTTTGACCGGGATGGCAAG
 GAACGGGTGACAGGTGAGGAGTGGCTGGTCCGATCCGTCGGTGTATCTCCCGCTGTCTTTGAAGAGG
 TGCTGGATCTGGTGGACGCTGTGATCCTTACAGAAAAGACGGCCCTGCACCTCCGGGCTCGGCAAACTT
 CAAGGACCTTCGGGGAGTGGCCACCGCACTGGGGAGGAATGGCTAGTGACGGTGCAGGACCGGAAGCC
 CATGTCCCGGATGTCTATGAGGAGGTGCTGGGGTGGTGGCCATCACCACCTGGGACCTCGACACTACT
 GTGTTATCCTTGACCCAATGGGACCAGATGGCAAGAACCAGCTGGGACAAAAGCGTGTGTCAAGGGAGA
 GAAGTCCTTTTTCTCCAGCCAGGAGAAAGGCTGGAACGAGGCATCCAGGATGTGTACGTGCTGCAGAG
 CAGCAGGGGCTCCTGCTGAAGGCCTGCAGCCCTGGAGGAGGGGGAGGGGAGGAGAAGGTCGCCACC
 AGGCTGGAGACCCTGGCTCATCCGAGGGCCCCTGGAGTATGTGCCATCTGCCAAAGTGGAGGTGGTGA
 AGAGCGTCAGGCTATCCCTCTGGACAAAATGAGGGCATCTATGTTTCCAGGATGTCAAGACGGGAAAGGTG
 CGGGCTGTGATTGGAAGCACCTACATGCTGACTCAGGATGAAGTCCTGTGGGAAAAGGAACTGCCTTCTG
 GAGTGGAGGAGCTGCTGAACTTGGGGCATGACCCTCTGGCTGACAGGGGTGAGAGGGCAGCAAGGTT
 CCTTCAGCCCTCAGCTGCAAGGAACAAGACCCGAGTGGTCACTACCGTGTCCCCACAACGCAGCGGTG
 CAGGTGTACGACTACAGAGCCAAGAGCCCGTGTGGTCTTTGGGCTGAGCTAGTGTCACTGATCCCG
 AGGAGCAGTTCACAGTGTGTCCCTTTCTGCTGGGCGACCCAAGCGTCTCATGCCCGTGCCTGACTCTG
 CCTGCTGCTGGGACCTGATTTCTTCACTGACGTATCACCATCGAACTGCAGATCATGCCAGGCTGCAG
 CTGCAGCTGGCTTACAACCTGGCACTTTGAACTGAAGAACCAGGAATGATCCTGAAGAGACAGCCAAGCTTT
 TCTCTGTGCTGACTTTGTGGGCGACGCTGCAAGGCCATTGCGTCCCGAGTCCGGGGGGCTGTAGCCTC
 GGTACATTTGATGACTTCCATAAAGAACTCAGCACGTATCATTCCGATGGCTGTTTTGGCTTTGAGATG
 TCCGAAGATGCCGGTCTGATGGCGCACTCCTGCCAGGGCTCGAGACCGGGCCGCTTTCCCAAAATG
 GGCTGGTTGTGAGCAGTGTGGACGTGCAGTCAGTGGAGCCTGTGGACCAGAGGACCCGGGATGCCCTGCA
 GCGCAGTGTCCAGCTAGCCATCGAAATTAACAACCACTCCAGGAGGCAGCAGCCAAGCAGAGGCTCAG
 AGACTGGAGCAGGAAGCCGTGGTCCGGTGTGAGAGGCAGAAAGATCTTGGACCAGTCAAGACTGAAAAG
 CCCGCAAGGAACCTTTGGAGCTTGGAGGATGAGCATGGCTGTGGAGAGCACTGGTAATGCCAAGGCGGA
 GGCTGAGTCCCGGGCAGAGGCAGCGAGGATTGAGGGAGAAGGCTCTGTGCTGCAGGCAAGCTAAAGGCG
 CAGGCGTTAGCCATTGAGACGGAGGCTGAGCTGGAGCGAGTGAAGAAAAGTGCAGAGATGGAGCTGATCT
 ACTCCCGGGCCAGCTGGAGCTGGAGGTGAGCAAGGCACAGCAGCTCGCCGACGTGGAGGCAAAGAAGTT
 CAAGGAGATGACAGAGCACTGGGCCCGGAACCATCAGGGACTTGGCTGTGGCCGGGCCAGAGATGCAG
 GTGAAACTTCTTCACTCCCTGGGCTGAAATCCACTCTCATCACAGATGGCTCGTCCCCATCAACCTCT
 TCAACACAGCCTTCGGCTTGTGGGCTGGGGTCTGACGGTCAGCCACCTGTACAAAAGTACCTGGCGG
 CCCAGCCCAAGGAAGGCTTGTACCAGGTCTCTGAAGCAGCCACTGTGTGCCTTAGGTAGACTG
 ACTACACTGACAATGGATAAATAAATGACAACCTGTAGAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_080638

Insert Size: 2586 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).

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| 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: | <u>BC006709</u> , <u>AAH06709</u> |
| RefSeq Size: | 2783 bp |
| RefSeq ORF: | 2586 bp |
| Locus ID: | 78388 |
| Cytogenetics: | 7 F3 |
| Gene Summary: | Required for normal vault structure. Vaults are multi-subunit structures that may act as scaffolds for proteins involved in signal transduction. Vaults may also play a role in nucleocytoplasmic transport. Down-regulates IFNG-mediated STAT1 signaling and subsequent activation of JAK. Down-regulates SRC activity and signaling through MAP kinases (By similarity).[UniProtKB/Swiss-Prot Function] |