

Product datasheet for **MC203171**

Dusp10 (NM_022019) Mouse Untagged Clone

Product data:

| | |
|---------------------------|---|
| Product Type: | Expression Plasmids |
| Product Name: | Dusp10 (NM_022019) Mouse Untagged Clone |
| Tag: | Tag Free |
| Symbol: | Dusp10 |
| Synonyms: | 2610306G15Rik; AI158871; MKP-5; MKP5 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | PCMV6-Kan/Neo (PCMV6KN) |
| E. coli Selection: | Kanamycin (25 ug/mL) |



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Fully Sequenced ORF: >BC025066
 GCAAAAGAGAAAGTAACTCTGTGTTGCTGCTGGGGATCAATGAAGCTGAGTGAATGGGGGCGCACTGCGC
 GAGCGCATAGCTGGAGCGGGCGCCAGATGGTAGAGGGCTACGCTTATTGATGAAACTCTTGACTTCTTCT
 TGAATTGCCAGTTTTTCAGCCTCCTCATGCTCCATCTCCTTTAGACGACAGGGTAGTAGTGGCACTATCT
 AGGCCTGTCCGACCTCAGGATCTCAACCTTTGTTAGACTCAAGTACCTTGGCTCTGCCAGCCCAGGTA
 GTGGTAGCCACGCTCCTGTCTTGGCCACGCGCTTGTGACCCTCAAGGCTGCGAATCTGACGTATATGCC
 CTCATCCAGCGGCTCTGCCCGCTCCCTGAATTGCGGATGCAGCAGCACTAGCTGCACTGTGGCAACC
 TACGACAAGGATCATCAGGCCCAGACTCAAGCCATTGCTGCAGGCACTGCCACCACCGCCATAGGAACCT
 CGACCACCTGCCCTGCTAACCAGATGGTCAACAACAATGAAAACACAGGCTCTGTGTTAAGTCCATCGGG
 TGGGGTGGCAGCCCTGTGTGAGGACTCCCAAGCAGCTAGCCAGCATCAAGATCATCTACCCCAATGAC
 CTGGCAAAGAAGATGACCAAAATGCAGCAAGAGTCACTGCCAGCCAGGGTCCCCTCATCATCGATTGCA
 GGCCTTTCATGGAGTACAACAAGAGTACATCCAAGGAGCTGTCCACATTAAGTGTGCCGATAAGATCAG
 CCGGCGAAGGCTGCAGCAGGGCAAGATCACTGTCTTAGACTTGATTTCTGTAGGGAAGGCAAAGACTCT
 TTCAAGAGGATCTTTTCAAAGAAATTATAGTTTATGATGAGAATACCAATGAGCCAAGCCGTGTGACAC
 CATCCCAGCCACTTCACATAGTCTTGTAGTCCCTGAAGAGAGAAGGCAAAGAACCCTGGTATTGAAAGG
 GGGACTCAGTAGTTTTAAACAGAACCATGGAAACCTCTGTGACAACCTCCCTCCAGCTCCAAGAGTCCCGG
 GAGGTGGGGGGTGGTGCATCTGCGGCCTCGAGCATGTACCTCAGTCTGTCCCCACCACCCTGACATCG
 AGAACGCAGAGCTAACGCCCATCCTGCCCTTCTGTTCTCGGCAATGAGCAGGATGCTCAGGACCTAGA
 CACCATGCAGAGGCTCAACATCGGCTATGTATCAACGTACCACGCACCTTCTCTGTACCATTATGAG
 AAAGGCCCTTCAACTACAAGAGGCTGCCAGCCACAGACAGCAACAAACAGAACCTGCGGCACTACTTTG
 AAGAGGCCCTCGAGTTTTCATCGAGGAAGTCAACAGTGTGGGAAGGGCCTTCTCATCCACTGCCAGGCCG
 CGTGTCCCGATCCGCCACCATCGTATCGCCTACTTGTGAAGCACACAGGATGACCATGACTGACGCT
 TACAATTTCGTCAAAGGCAAACGACCAATATTTCCCGAACCTCAACTCATGGGGCAGTTGCTGGAAT
 TTGAGGAAGACCTAAACAACGGCGTGACGCCAAGAATCCTTACACCAAAGCTCATGGGCATGGAGACAGT
 TGTGTGACAACGGGCAGGACGGAAAGGGCTGTGCTCTCTCAGGAGACGAAAAGGAGGGAAGTGGATTCT
 AGCTTGTGCGTCTTCTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTTCTTTCT
 TTCTCTTTTTTTTTAAGGTTGGGAGTGTGTTGTGAAAGTAAACAAACTTGTCTAAAGACTCTATTTTTAA
 TAAGTGAAGAAGACTGTAACCTTTGATGCGAATGAGACCCACTTCTCTTAAACTGGTATTGCAGTTAGG
 TTAAGAGGCTTTTTTTGTTTTGTTTTGTTTTTTAAGCCAACAATAAAAAATATATAAACTGTTTTT
 TTCCAGTTTCCCTTGTAAGCTTATTGTAGAGTTTTGAGTAAATAGTCTGTGCGGGCTCATAGACCGAAG
 ATACCACCCTTCAAGTTACAAGAACCAAAAGGAAATGGAAAAGACTCTAGACCTGGAAGTACTGCACAA
 CCATGTCAAAAAGCAAACCTGCCAAACCGTGCCAGTTGTGCTCACTGGTGTGAAGAAAAGGCCCGCAAG
 CTAGTGGACTCGGCTCGCCTCACACCTTCTCTGGGGAGACAGGCTAGTGTGCGTTTTGTGTGTTCTATG
 CTCCGGATATCTTTCCCTTCTGTGGGCTGAGAGAAGTTTTGTTGTTGTTGTTGTTGTTGTTGGCAGA
 AGGAAACTGACCATTTCTACCATGTGCCTTTGCTGGCACTCGTGCATAAAAAATGGTGTGGAGTGTGCA
 GCTGAGGGAGAGCTGGCAGCTGAGTGGAGTGGCGTTGGAGACAGGCATTCAACAGTACCAGTGGCTTC
 CCCTCCCTCCTTCTCCTCCCCCCTTCTTCTCCTCATCCCTTTTATTTGTCTTTCTTTTGATTGATT
 CTGGTTACAGTGCATACACCTTGTACATATGTATATCAGAATGTAACAAAAACAAAAAACAAAAAA
 AAAAAATTTATTTAAAAAATATTTTTCGCAAAAAAAAAAAAAAAAAA

- Restriction Sites:** RsrII-NotI
- ACCN:** NM_022019
- Insert Size:** 1452 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:

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: [BC025066](#), [AAH25066](#)

RefSeq Size: 2637 bp

RefSeq ORF: 1452 bp

Locus ID: 63953

UniProt ID: [Q9ESS0](#)

Cytogenetics: 1 H5

Gene Summary: Protein phosphatase involved in the inactivation of MAP kinases. Has a specificity for the MAPK11/MAPK12/MAPK13/MAPK14 subfamily. It preferably dephosphorylates p38. [UniProtKB/Swiss-Prot Function]