

Product datasheet for **MC203131**

Dusp18 (NM_173745) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp18 (NM_173745) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dusp18
Synonyms:	4930527G07Rik; AI430870; BB028064; DSP18; DUSP20; LMWDSP20
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >BC020036
 GGCGGTGGGTGTAGCAATGGTCCTTCTGGCTACTTGGCGCATTTCTGTGAAGACAGGCAGCCCACCCAGC
 TTTTCCCAAACGCTGGGAACTGCGTAGTCCTTCGAGGTACAGAAATCAGTCGCGGGGTCCCCCTAAGCCC
 CGAACTGCCCATTTGTTCCGCGAGGAGAAGCCGTTGCTACCAAGGTCCGGAATCATGAAGGGCCCTCTCTT
 TCTTGGAGAGGGTCGTCGCGGCTCTGCCCTGAAAGATTCGGGGGCACTGAGGGAAGGAGGTTTCAGTG
 GGCACAGCCTAGCAGAAAGATGCAAGCTTAATACGAGAAGTCATCCTCGACTTCCACTTTGATGACTTCA
 CCGTGGAGTGCCTTCCCAGTTCAGATCCCCAGCCTTCGATCAGAGGCCTCTCGCAGATCACCACAGTCAT
 TGTTTATCAGCAATGGTGTGGCTGCCAACAAAGCTCCTACTGTCCAGCAATCAGATCACCACAGTCAT
 CAACGTCTCAGTAGAGGTAGCAAACACCTTCTACGAGGATATCCAGTATGTGCAGGTGCCTGTGGTTCGAT
 GCGCCCGTCGCACGCCTCTCAATTTCTTCGATTCCGTTGCCGACCGTATCCATTCGGTGGAGATGCAGA
 AGGGCCGCACACTGTTGCATTGTGCTGCTGGGGTGGAGCCGCTCAGCTGCCTGTGCCTCGCTACCTCAT
 GAAGTACCATGCCATGTCCTTGTAGATGCCACACTTGGACCAAGTCATGCAGGCCCATCATCCGGCCC
 AACAGTGGCTTTTGGGAGCAGCTCATCCATTACGAGTTGCAGCTCTTTGGCAAGAATAAATGCAGATGA
 TGGACTCGCCAATGGGACGGATCCCAGACATCTACGAGAAGGAGACCCGTTTGTATGCCACTGTAAGC
 CAGCCCACAGTAACTCCAGTACACCAAGTCTGAACTTGAACCTCGACTTTTGTGCTGCAGGAGCACA
 GCAGATGGTGTCTTTTCATGACGCCAGAAAAAGTGTGCTATAGCATTTAACCTCGCAGTCCAGCCAGGTT
 TGGTGGTGCATGCCTGTAACTCAGATTGCTGAAGCAGAAAGATTACAAGGTGAGTTTGGAGCCAGCCATA
 GGCTACATATGAGACCCTATCTCAAAAACAAAATCAAGAACAGAAATCCCAACAATTAATATCTTGTCAT
 TCTGTGCTTTCAGAGAGTACATTCATTTCTATAATATAGTGAAGGTAACTTTTCTGTGAGTGGTAGGGT
 GGAGCTGGCAGATGGTGTGGGTATAGGAACCAAGTGCAGTGCATATGGCAAGCTGGGGTTCTCGCAG
 CCCTCCCGGAGATGACCAACCCAGAAACAAATCTGCCAAAATCCCACCTGGTCTTTTCAGAGGCAAAATCC
 TGAAGCTTCTGGTGTCTTGGATGTCTCTCAATGTAAGTGCCAGCCTGTAGATTAGGGGTCTTCAACC
 AGGGTTACAGAGACTGCCCTTTCTACCTTTACCACAGTGGCCAAATCTGGTTTTCTAGATCAGATCAGTCC
 ACAGTGTGGATCCAGTGGTGGCCAGATCAGCAATCCTACCTGTACACAGGCCTTAGTTTATACATGT
 TCTCAGAGCCTCTATGTGAGAGAGATGAAGAAATGGCTTGTCTCTGCTAGGCCTCATCCGAGAAGCCGC
 CTCAGAGTTCTCACTTTGCAACCTGAGAGTCTGACACAAGACCCGCTGCAGAATTGCAGACCATGAGA
 CTCAGGGTCCCAGGCTGGCTGACTGTTGAGGAGCTGTGAGGACTGTGAGGAACAAGTGAAGTGTCTCTAG
 CAAGCCTGAGATTCAAGGCTGCTCAGAAGCCCTTGGTGTAGGGTCTGATTCAAGAAGGCTTGGTTTGGG
 TTGGTTTTGGTTAAGCCCTGCTCCCAGGTAGCCAGGCTGTGTAGCCTTGAGCACCGGTCTGTCTCTTTG
 CCTGTACTTTAGGAATGTGGGTTACAGGTATGTGCCACCTTGCCAGCCTAGACTTAGTGTACAGTG
 TGTTTTTTTGGTATAAACTCACCCAAAGCATCTTGGGGGAGGAAAGGGTTTATTTGACTTACATGTTA
 CACTCTGTGATGAAGGAATGTGGCTTGCTCCCCGTGACTTGTCTAGTGCCACCTGCCAGGTAGCCACAA
 CCATGGTGGACTAGACCCTCTCACATCAAGAAGCCCATCTCCGTGGAGGGTCCCTTGTCCCAGGTGACTC
 CAGTTACTGACAAACACTGTAACAGTCTAATGGAGAGCCTGGTATGAGGTAGGCAGGAGAGGATGAAG
 CTAAGTGTGTTCTAGACTAATGTATCCTTCATCAAGAGCAGCCCCATCCCTTCCCACCCAGCCTTCA
 CCTGGTAGAAACAGATTTTTTTTTTAAACAAAGAACTTTATTTGAGCCTTTTTGTCAAAAAGAAAAAC
 ATTTGGAGGTGGAGGCTCGGTGACTATGAGAACTTACTGTTCTTCCCAGGACCTGGGGTTTGTATCCCA
 GCACCCATAGTGGCCCAACTGTCTATGGTTCTAGTACCAAGAATCTGTTGCCCTTTTCTCGTCTCC
 TAGAGTACCAGGCACACATGCAGTACAAATACATATGTTTAGGGAAAACACTCATCCCCAAAAAAAAAAAA
 AAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: RsrII-NotI

ACCN: NM_173745

Insert Size: 567 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:	<u>BC020036</u> , <u>AAH20036</u>
RefSeq Size:	2681 bp
RefSeq ORF:	567 bp
Locus ID:	75219
UniProt ID:	<u>Q8VE01</u>
Cytogenetics:	11 A1
Gene Summary:	Can dephosphorylate single and diphosphorylated synthetic MAPK peptides, with preference for the phosphotyrosine and diphosphorylated forms over phosphothreonine. In vitro, dephosphorylates p-nitrophenyl phosphate (pNPP).[UniProtKB/Swiss-Prot Function]