

## Product datasheet for **MC200497**

### Dusp1 (NM\_013642) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp1 (NM_013642) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dusp1
Synonyms:	3CH134; erp; mkp-1; MKP1; Ptpn16; U19515
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC006967 sequence for NM\_013642  
 CGGGAGGAAAGCGCGGTGAAGCCAGATTAGGAGCAGCGAGCACTTGGGGACTTAGGGCCACAGGACACCG  
 CACAAGATCGACCGACTTTTTCTGGAGAACCGCAGAACGGGCACGCTGGGGTCGCTGGGGCTGGCCATGG  
 TGATGGAGGTGGGCATCCTGGACGCCGGGGGGCTGCGCGCGCTGCTGCGAGAGGGCGCCGCGCAGTGCCT  
 GTTGTGGATTGTCGTCCTTCTTCGCTTTCAACGCCGGCCACATCGCGGGCTCAGTGAACGTGCGCTTC  
 AGCACCATCGTGGTGGCCGCGCAAGGGCGCCATGGGCTGGAGCATATCGTGCCCAACGCTGAACGTGC  
 GTGGCCGCTGCTGGCCGGAGCCTACCACGCCGTGGTGTCTGGACGAGCGCAGCGCCTCCCTGGACGG  
 CGCAAGCGCGACGGCACCTGGCCCTGGCCGCGGGCGCGCTCTGCCGAGAGGGCGCGCTCCACTCAAGTC  
 TTCTTTCTCCAAGGAGATATGAAGCGTTTTCGGCTTCTGCCCCTGAGCTGTGCAGCAAACAGTCCACCC  
 CCACGGGGCTCAGCCTCCCCCTGAGTACTAGTGTGCTGACAGTGCAGAAATCCGGATGCAGCTCCTGTAG  
 TACCCCTCTACGATCAGGGGGGCCAGTGGAGATCCTGTCTTCTGTACCTGGGCAGTGCCTATCAC  
 GCTTCTCGGAAGGATATGCTTGACGCTTGGGCATCACCGCCTTGATCAACGTCTCAGCCAATTGTCCTA  
 ACCACTTTGAGGGTCACTACCAGTACAAGAGCATCCCTGTGGAGGACAACCACAAGGCAGACATCAGCTC  
 CTGGTTCAACGAGGCTATTGACTTCATAGACTCCATCAAGGATGTGGAGGGAGAGTGTGTTGTTTCATTGC  
 CAGGCCGCGCATCTCCCGTCCAGCCACCTCTGCCTTGCTTACCTCATGAGGACTAACCGGTAAGCTGG  
 ACGAGGCCTTTGAGTTTGTGAAGCAGAGGGCGAGTATCATCTCCCGAAGTTCAGCTTCATGGGCCAGCT  
 GCTGCAGTTTGTGATCCCAAGTGCTAGCCCTCACTGCTGCTGCTGAAGCTGGGAGCCCTGCCATGGCTGTC  
 CTTGACCGGGGCACCTCTACTACCACAGTCTTCAACTTCCCTGTCTCCATCCCGTCCACCCACGAAACA  
 GTGCCCTGAACCTACCTAAAAGCCCCATCACCACCTCTCCAAGCTGCTGAAGGGCAAGGGGAGGTGTGGA  
 GTTTCACTTGCCACCGGGTTGCCACTCCTGTGGGAGGAGCAATGCAATAACTCTGGGAGAGGCTCAT  
 GGGAGCTGGTCTTATTTATTTAACACCCCCCTCACCCCAACTCCTCCTGAGTTCAGTTCCTTCTCCT  
 AAGCAGTCAACAATGACTTGACCGCAAGACATTTGCTGAACTCGGCACATTGGGACCAATATATTGT  
 GGGTACATCAAGTCCCTCTGACAAAACAGGGCAGAAGAGAAAGGACTCTGTTTGAGGCAGTTTCTTCGCT  
 TGCTGTGTTTTTTTCTAGAAACTTCATGCTTGACACACCCACCAAGTATTAACCATTCCCGATGACATGC  
 CGGTATGAGAGTTTTTACCTTTATTTATTTTGTGTAGGTCGGTGGTCTGCCTTACAAATGTCATTGTC  
 TACTCATAGAAGAACAAATACCTCAATTTTGTGTTTGGTACTGTACTATCTTGTAAATAGACCCAGAG  
 CAGGTTTGCTTTCGGCACTGACAGACAAAGCCAGTGTAGGTTTGTAGCTTTCAGTTATCGACAGTTGTAT  
 GTTTATTTATGATCTGAAGTAATATATTTCTTCTTCTGAGAAGACATTTTGTACTGGGATGACTTTTTT  
 TATACAACAGAATAAATTATGACGTTTCTATTGAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI

**ACCN:** NM\_013642

**Insert Size:** 1104 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: [BC006967](#), [AAH06967](#)  
RefSeq Size: 1941 bp  
RefSeq ORF: 1104 bp  
Locus ID: 19252  
UniProt ID: [P28563](#)  
Cytogenetics: 17 13.28 cM  
Gene Summary: Dual specificity phosphatase that dephosphorylates MAP kinase MAPK1/ERK2 on both 'Thr-183' and 'Tyr-185', regulating its activity during the meiotic cell cycle.[UniProtKB/Swiss-Prot Function]