

## Product datasheet for MC211938

### Dusp12 (NM\_023173) Mouse Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dusp12 (NM_023173) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Dusp12
Synonyms:	1190004O14Rik; AA027408; AW049275; ENSMUSG00000045460; ESTM36; LMW-DSP4; mVH1; T-DSP4; VH1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC211938 representing NM_023173 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGGAAGCGCAGGGTCTAACCATGGCTGCGAGCGCCAGGCTCCGACTGCCAGTCCC GCCAGCTCGG  
CAGGGCACGCCGTGGAAGTGC GGCCCGGCTGTATCTGGTGGGGCAGCGGCAGTGGCGGAACCGGGCCA  
TCTGAGGGAGGCGGGCATCACCGCGTGTGACGGTGGACTCTGAACCGCTTCCCGGCTGGGGCTGGG  
TTCGAAGTCTCCGGAGCCTCTCGTGCCGGCGCTGGACAAACCGAGACCGACCTGCTCAGCCACCTGG  
ATCGCTGCGTGGCCTTCATCGGCCAGGCTCGCTCCGAAGCGCGCGGTGTTGGTGCAGTGTGCAGG  
AGTCAGTCGAGTGTGCTGTAGTGATGGCTTTATAATGAAGACCGACCAGCTTACCTTTGAAAAGCC  
TACGACATCCTCCGACGGTCAAGCCAGAGGCTAAAGTGAATGAGGGTTTGAATGGCAACTGAACTGT  
ATGAGGCAATGGGATACGAAGTCGATACGTCCAGTGCCTTTTACAAGCAGTACCGTTTACAAAAGGTGAC  
TGAGAAGTGTCCAAAACCTTGAATTTACCTCAGGAACCTTTCGCTGTTGACCCAACCTACATTTACAG  
GGATAAAAGATGACATCTCTACAAATGCAGAAAATGCAGGCGGTCTTTATTTAGACATTCTAGTATTT  
TGGGTCAAGTGAAGGAAGTGGGCAATAGCCTTTGCTCACAAGAGAACGGCGCCATCTTCTGTACTTAC  
CACAGGGAGTCAGGCTCAGTGCACGTCTTACTTCATTGAGCCTGTGCAGTGGATGGAATCTACTCTGTTG  
GGCCTTATGGATGGACAGCTTTTGGCCAAAATGCAGTGCCAAGTTGGGTTCTTTAACTGGTATGGTG  
AACAGTGCTCCTGTGGTCGATGGATAACCCCTGCTTTTCAAATACACAAGAACAGAGTGGATGAAATGAA  
AATGTTGCCGGTCTGGGATCACAGACAAGAAGCT**TGA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI



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<b>ACCN:</b>	NM_023173
<b>Insert Size:</b>	1020 bp
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_023173.2</a> , <a href="#">NP_075662.2</a>
<b>RefSeq Size:</b>	1413 bp
<b>RefSeq ORF:</b>	1020 bp
<b>Locus ID:</b>	80915
<b>UniProt ID:</b>	<a href="#">Q9D0T2</a>
<b>Cytogenetics:</b>	1 H3
<b>Gene Summary:</b>	Dual specificity phosphatase; can dephosphorylate both phosphotyrosine and phosphoserine or phosphothreonine residues. Can dephosphorylate glucokinase (in vitro). Has phosphatase activity with the synthetic substrate 6,8-difluoro-4-methylumbelliferyl phosphate and other in vitro substrates.[UniProtKB/Swiss-Prot Function]