

## Product datasheet for **SC108678**

### DUSP23 (NM\_017823) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP23 (NM_017823) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUSP23
Synonyms:	DUSP25; LDP-3; LDP3; MOSP; VHZ
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF sequence for NM_017823 edited ATGGGCGTGCAGCCCCCAACTTCTCCTGGGTGCTTCCGGGCCGGCTGGCGGGACTGGCG CTGCCGCGGCTCCCCGCCACTACCAGTTCCTGTTGGACCTGGGCGTGGCGCACCTGGTG TCCTTGACGGAGCGGGCCCCCTCACAGCGACAGCTGCCCGGCCTCACCTGCACCGC CTGCGCATCCCCGACTTCTGCCCGCCGGCCCCGACCAGATCGACCGCTTCGTGCAGATC GTGGACGAGGCCAACGCACGGGGAGAGGCTGTGGGAGTGCAGTGTGCTCTGGGCTTTGGC CGCACTGGCACCATGCTGGCCTGTTACCTGGTGAAGGAGCGGGCTTGGCTGCAGGAGAT GCCATTGCTGAAATCCGACGACTACGACCCAGCTCCATCGAGACCTATGAGCAGGAGAAA GCAGTCTCCAGTTCTACCAGCGAACGAAATAA
5' Read Nucleotide Sequence:	>OriGene 5' read for NM_017823 unedited AAAGCATCCCCCACGAGGGCCCTGCATTCCAGTGGCCGGGTGGCGCCGAGGCCAGCGA TGGGCGTGCAGCCCCCAACTTCTCCTGGGTGCTTCCGGGCCGGCTGGCGGGACTGGCGC TGCCGCGGCTCCCCGCCACTACCAGTTCCTGTTGGACCTGGGCGTGGCGCACCTGTTTT TTTTGACGGAGCGGGCCCCCTCACAGCGACAGCTGCCCGGCCTCACCTGCACCGCC TGCGCATCCCCGACTTCTGCCCGCCGGCCCCGACCAGATCGACCGCTTCGTGCAGATCG TGGACGAGGCCAACGCACGGGGAGAGGCTGTGGGAGTGCAGTGTGCTCTGGGCTTTGGCC GCACTGGCACCATGCTGGCCTGTTACCTGGTGAAGGAGCGGGCTTGGCTGCAGGAGATG CCATTGCTGAAATCCGACGACTACGACCCAGCTCCATCGAGACCTATGAGCAGGAGAAA CAGTCTTCCAGTTCTACCAGCGAACGAAATAAGGGGCCTTATTACCTTCTACCAGGCC TCACTCCCCTTCCCATGTTGTGCGATGGGGCCAGAGATGAAGGGAAGTGGACTAAAGTAT TAAACCTCTAGTCCCATTGGCTGAAGACACTGAAGTAGCCACCCCTGCAGGCAGGTC CTGATTGAAGGGGAGGCTTGTACTGCTTTGTTGAATAAATGAGTTTTACGAACCACGNN ATAAAAACAAANCNAACTCAAACCAACTCNTNCTCCTCTTTTCCCACTCAAATCTCAA TAAAAAATAAAATCCTCAACTCTATATTGGGGCCGGGAATAGTTGTTCCCTGAAAGATC C
Restriction Sites:	NotI-NotI



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<b>ACCN:</b>	NM_017823
<b>Insert Size:</b>	860 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>	<u><a href="#">NM_017823.3</a></u> , <u><a href="#">NP_060293.2</a></u>
<b>RefSeq Size:</b>	718 bp
<b>RefSeq ORF:</b>	453 bp
<b>Locus ID:</b>	54935
<b>UniProt ID:</b>	<u><a href="#">Q9BVJ7</a></u>
<b>Cytogenetics:</b>	1q23.2
<b>Domains:</b>	DSPc, PTPc_motif
<b>Protein Families:</b>	Druggable Genome, Phosphatase
<b>Gene Summary:</b>	<p>Protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10) in vitro. Able to enhance activation of JNK and p38 (MAPK14). [UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (3) differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein.</p>