

Product datasheet for **SC128060**

DUSP19 (NM_080876) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP19 (NM_080876) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUSP19
Synonyms:	DUSP17; LMWDSP3; SKRP1; TS-DSP1
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Cell Selection:	None
Fully Sequenced ORF:	>NCBI ORF sequence for NM_080876, the custom clone sequence may differ by one or more nucleotides

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ATGTACTCCCTTAACCAGGAAATTAAGCATTCTCCCGAATAATCTCAGGAAGCAATGCACCAGGGTGA  
CAACGCTAACTGGAAAGAAAATTATAGAAACATGGAAAGATGCCAGAATTCATGTTGTGGAAGAAGTAGA  
GCCGAGCAGTGGGGTGGTTGTGGTTATGTGCAGGACCTAGCTCGGACCTGCAAGTTGGCGTTATTAAG  
CCATGGTTGCTCCTAGGGTCACAAGATGCTGCTCATGATTTGGATACACTGAAAAAGAATAAGGTGACTC  
ATATTCTTAATGTTGCATATGGAGTTGAAAATGCTTTCCCTCAGTGACTTTACATATAAGAGCATTCTAT  
ATTGGATCTGCCTGAAACCAACATCCTGTCTTATTTCCAGAATGTTTTGAATTTATTGAAGAAGCAAAA  
AGAAAAGATGGAGTGGTTCTTGTTTCATTGTAATGCAGGCGTTTCCAGGGCTGCTGCAATTGTAATAGGTT  
TCCTGATGAATTCTGAACAAACCTCATTACCAGTGCTTTTTCTTTGGTAAAAATGCAAGACCTCCAT  
ATGTCCAAATTCTGGCTTCATGGAGCAGCTTCGTACATATCAAGAGGGCAAGAAAGCAATAAGTGTGAC  
AGAATACAGGAGAACAGTTCATGA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_080876 unedited NNNNTTTATTGGNACTCCCCGCGGTGGCGGCCGCATAAATTTCGTATAGCATACATTATACG AAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGGTGGGATAAA CCGAGCTGGACGACTCAGTCTCTTGGTCTGTGGCTGCTGCGGTTACCTGGATGGGCGAGC ACCTCTGAGGCTGGCTTTGTTACCTGGGCAATAAGGGACTAGCAGTTCAGCCGTTTTCTA TGCCTGCTGGATTTGTTTGTATTTGTTCCAGCCACTGCTCATGTAATGTAAGTCCCTTAA CCAGAAATTAAGCATTCTCCCGGAATAATCTCAGGAAGCAATGCACCAGGGTGACAAC GCTAACTGGAAAGAAAATTATAGAAACATGGAAAGATGCCAGAATTCATGTTGTGGAAGA AGTAGAGCCGAGCATGGGGTGGTGTGTGGTTTTATTGTGCANGGACCTTTANCTCGGACC TGCAAGTTGGCGTTATTAAGCCATGGTTGCTCCTAGGGTCACAAGATGCTGCTCATGATT TGGATACACTGAANAAGAATAAGGTGACTCATATTCTTAATGTTGCATATGGAGTTGAAA ATGCTTTCCTCAGTGACTTTACATATAAGAGCATTCTATATTGGATCTGCCTGAGACCA ACATCCTGTCTTATTTCCAGAATGTTTTGAATTTATTGAAGAAGCAAAAAGAAAAGAT GGAGTGGGTTCTTGTTCATTGTAATGCAGGCCGTTCCAGGGCTGCTGCAATTGTAATAG GTTTTCCTGATGAATTTCTGACAAACCTCATTTTACCATGCTTTTTCTTTGTGAAAAAT GCCAGAATTCCTATGTCCAATTCTTGGCTTCATGGAGCACCTTCTACATTTCAAGA T</p>
Restriction Sites:	Please inquire
ACCN:	NM_080876
Insert Size:	5200 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:	NM_080876.2 , NP_543152.1
RefSeq Size:	5183 bp
RefSeq ORF:	654 bp
Locus ID:	142679
UniProt ID:	Q8WTR2
Cytogenetics:	2q32.1
Protein Families:	Druggable Genome, Phosphatase

Gene Summary:

Dual-specificity phosphatases (DUSPs) constitute a large heterogeneous subgroup of the type I cysteine-based protein-tyrosine phosphatase superfamily. DUSPs are characterized by their ability to dephosphorylate both tyrosine and serine/threonine residues. They have been implicated as major modulators of critical signaling pathways. DUSP19 contains a variation of the consensus DUSP C-terminal catalytic domain, with the last serine residue replaced by alanine, and lacks the N-terminal CH2 domain found in the MKP (mitogen-activated protein kinase phosphatase) class of DUSPs (see MIM 600714) (summary by Patterson et al., 2009 [PubMed 19228121]).[supplied by OMIM, Dec 2009]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The extent of this transcript is supported by transcript alignments.