

Product datasheet for **SC112322**

DUSP26 (NM_024025) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP26 (NM_024025) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUSP26
Synonyms:	DSP-4; DUSP24; LDP-4; LDP4; MKP-8; MKP8; NATA1; NEAP; SKRP3
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_024025 edited
 TAGGCGTGTACGGTGGGAGGTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTT
 TGTAATACGACTCACTATAGGGCGGCCGGAATTCGGCACGAGGGGAGCCCACGCTGCC
 TGGCGACTCGGGCCACCGAATGTGAGACCGAGTCCCTTTATGTCACCAGCGCACACGCTG
 ATTTGAACCTGCTTCGACGTGTGTGCATGGCTTAAAAATAGCTGCTAATCTGTCAACC
 TGTCTTGGGCAGAAACAGCGCGCGACAGCAGCAGGAGCGTCATGGCCGTGGCGCTGTC
 TGGCCGGCGATCCGCTTTCGACTGAGGCCAGCGCAGCGCTTGCAAAGAGCAGCTAC
 CTGGCAACTGAACCCATCATACCACAGCCACTCCTGCAGCTGCCACGGTTTCTGCCACC
 TCTAAGATGTGCCCTGGTAACTGGCTTTGGCTTCTATGACTTTTATGGCCCGCTTCTCC
 CGGAGTAGCTCAAGGTCTCCTGTTGAACTCGAGGGACCCTGGAGGAGATGCCAACCGTT
 CAACATCCTTTCCTCAATGTCTTCGAGTTGGAGCGGCTCCTACACAGGCAAGACAGCC
 TGTAACCATGCCAGGAGGTCTGGCCAGGCTCTATCTCGGAGACCAGGACATGGCTAAC
 AACCGCCGGGAGCTTCGCCGCTGGGCATCACGCACGCTCCTCAATGCCTCACACAGCCGG
 TGGCGAGGCACGCCGAGGCTATGAGGGGCTGGGCATCCGCTACCTGGGTGTTGAGGCC
 CAGACTCGCCAGCCTTTGACATGAGCATCCACTTCCAGACGGCTGCCGACTTCATCCAC
 CGGGCGCTGAGCCAGCCAGGAGGGAAGATCCTGGTGCATTGTGTGTGGCGGTGAGCCGA
 TCCGCCACCCTGGTACTGGCCTACCTCATGCTGTACCACCACCTTACCCTCGTGGAGGCC
 ATCAAGAAAGTCAAAGACCACCGAGGCATCATCCCAACCGGGGCTTCTGAGGCAGCTC
 CTGGCCCTGGACCGCAGGCTGCGGCAGGGTCTGGAAGCATGAGGGGAGGGGAGAGAGGT
 CAGGCCAGGCCGTTGGGTAGGTCCTGGCTCCCAGCTGGAGATAGGAGGCCCAGGTGGCA
 GGTAGCAGGAGGCCAGATCACCATCCTCCCCTGGGGTCAAGAGAGGCCGAGCCCCAGG
 CCACTGTCACTCTTTGTGGGAGGGACGGGAGTGAGGTTGGGCAGTGTGGTGGATGGCC
 ACCCAAGAGGGTTGACCAGGGAAGGAGGCAGCTAGGCTGTAGATGGAAGATGGTCTGG
 GATTTCGAACACCCTGGGATCTGGCCAGGGTCTCCCTGGGATTACAGTCCCTTCCCT
 CTTTGTGCCCAAGTGTTCCTCTCTCCCTCACAAAACAAAAGGCCATCTCTGCCCTG
 CACTTGTGCAGAAAGTCAAGGATACGGCAAGCATGAATGCAATGGTGTAGAGTTGTGTA
 AACCCCTAGCATAGAGACAGACAGCGAAGAGATGGTGTGAAAAGCTTGCAGAACCAGACA
 GAGAACCCACAGACTTCCACTCCAAGCACAGGAGGAGGTAGCTAGCGTGTGAGGGTTG
 GCACTAGGCCACGGCTGCTGCTTGGGCCAAAACATACAGAGGTGCATGGCTGGCAGTC
 TTGAAATTGTCACTCGCTTACTGGATCCAAGCGTCTCGAGGATAAATAAAGATCATGAAA
 AAAAAAAAAAAAAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTT
 CCTGAACAGATCCCGGGTGGCATCCCTGTGACCCCTCCCAGTGCCT

5' Read Nucleotide Sequence: >OriGene 5' read for NM_024025 unedited
 GCAGCATTTTGTAAATACGACTCACTATAGGGCGGCCGCAATTCGCACGAGGGGAGCCC
 ACGCTGCCTGGCGACTCGGGCCACCGAATGTGAGACCGAGTCCCTTTATGTCACCAGCGC
 ACACGCTGATTTGAACCTGCTTCGACGTGTGTGCATGGCTTAAAAATAGCTGCTAATC
 TGTCAACCTGTCTTGGCAGAAACAGCGCGGCTACAGCAGCAGGAGCGTCATGGCCGTG
 GCGCTGTCTGCGCCGGGATCCGCTTTCGACTGAGGCCAGCGCAGCGCTTGCAAAGA
 GCAGCTACCTGGCAACTGAACCCATCATACCACAGCCACTCCTGCAGCTGCCACGGTTT
 CTGCCACCTCTAAGATGTGCCCTGGTAACTGGCTTTGGGCTTCTATGACTTTTATGGCC
 GCTTCTCCCGAGTAGCTCAAGGTCTCCTGTTGAACTCGAGGGACCCTGGAGGAGATGC
 CAACCGTTCAACATCCTTTCCTCAATGTCTTCGAGTTGGAGCGGCTCCTTACACAGGCA
 AGACAGCCTGTAACCATGCCGACGAGGTCTGGCCAGGCTCTATCTCGGAGACCAGGACA
 TGGCTAACAACCGCCCGAGCTTCGCCGCTGGGCATCACGCACGTCCTCAAATGCCTCA
 CACAGCCGGTGGCGAGGACGCCCGAGCTATGAGGGGCTGGGCATCCGCTACCTGNGT
 GTTGANGCCACGACTCGCCAGCCTTTGACATGAACATCCAATTCAGACCGCTGCCGAC
 TTCATCCACCGGCGCTGAACAGCCAGGACGGAAGATCCTCGTGCATTGTGCTGGGGCC
 CGGAGCCGATTCGCCCTTGTACTGGCTACCTCATGTGAACCACCACCTTACCCTC
 GTGTAGGCCATCAGCAAGTCAAGTACCCN

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_024025 unedited CAATCTAAAGTCGAGTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTTCATGACCTTTATTTATCC TCGAGACGCTTGGATCCAGTAAGCGAGTGACAATTTCAAGACTGCCAGCCATGCACCTTT GTATGTTTTTGGCCCAAGCAGCAGCCGGGGCCTAGTGCCAACCCTCACACGCTAGCTAC CTCCTCCTGTGCTTGGAGGGAAAGTCTGGGGGTTCTCTGTCTGGTTCTGCAAGCTTTT CACACCATCTCTCGCTGTCTGTCTCTATGCTAGGGTTTCACACAACCTACACCATTG CATTGATGCTTGGCGTATCCCTGACTTTCTGCACAAGTGCAGGGCAAAGATGGCCCTTTT GTTTTGGTGAGGGAGAGAGGGAAACACTTGGGCACAAAGAGGGGAAGGACTGTGAATCC CAGGGAGCACCTGGCCAGATCCAGCGGTGTTGCAATCCAGGACCATCTTCCATCTAC AGCCTAGCTGCCTCCTTCCCTGGTCAACCCTTCTGGGTGCCATCCACCACACTGCCCA ACCTCACTCCCCGTCCCCTCCCAAAAGAGTGACAGTGGCCTGGGGCTCGGCCTCCTCTG ACCCAGGGGAGGATGGNTGATCTGGGCCTCCTGCTACCTGCCACCTGGGCCTNCTATCT TCAGCTGGGAGCCAGGGACCTACCCACGGGCCCTGGCCTGACCTCTCTCCCCCTCCCCTC ATGCTTTTACAGCCCTGCCAAGNCTGNGGTCCAGGGCCAGAGCTGCCTCAGAAGCCCCC GGNTGGGATGGAAGCCTCGGGCCTTTGACTCTCTGGAGGCCTCCACGGGTAAGGTGGT GTACAGCATGAGTAAGCCAGTACAGGGGTGCGGATCGTTTACGCCACAGACAATGCACAG AATTTCTCCTCTGTTGTAACGCCGNGGGATGAATCGCAACCCTTGAAGGTGCTAT GAAAAGCTGCGGACCGGGCCTAACACCAGTGGGTCCAGCCCTT
Restriction Sites:	NotI-NotI
ACCN:	NM_024025
Insert Size:	1640 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>NM_024025.1</u> , <u>NP_076930.1</u>
RefSeq Size:	1665 bp
RefSeq ORF:	636 bp
Locus ID:	78986
UniProt ID:	<u>Q9BV47</u>
Cytogenetics:	8p12
Domains:	DSPc

Protein Families: Druggable Genome, Phosphatase

Gene Summary: This gene encodes a member of the tyrosine phosphatase family of proteins and exhibits dual specificity by dephosphorylating tyrosine as well as serine and threonine residues. This gene has been described as both a tumor suppressor and an oncogene depending on the cellular context. This protein may regulate neuronal proliferation and has been implicated in the progression of glioblastoma through its ability to dephosphorylate the p53 tumor suppressor. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Feb 2015]

Transcript Variant: This variant (1) represents the longest transcript. Variants 1, 2 and 3 encode the same protein.