

Product datasheet for **SC319165**

DUSP12 (NM_007240) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	DUSP12 (NM_007240) Human Untagged Clone
Tag:	Tag Free
Symbol:	DUSP12
Synonyms:	DUSP1; YVH1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_007240.1
GGCACGAGGCCGCTTGTCTCTGGGCGCGGCCATGTTGGAGGCTCCGGGCCGAGTGATG
GCTGCGAGCTCAGCAACCCAGCGCCAGCAGAGTCAGTGTGCCGGCAGATGCTGGAAG
TGCAGCCAGGATTGTATTTTCGGTGGGGCCGCGCCGTCGCGGAGCCAGATCACCTGAGGG
AAGCGGGCATCACGGCCGTGCTAACAGTGGACTCGGAGGAGCCAGCTTCAAGCGGGGC
CTGGGTCGAGGATCTATGGCGCCTTTCGTGCCAGCGCTGGACAAACCCGAGACGGACC
TACTCAGCCATCTGGACCGGTGCGTGGCCTTCATCGGTGAGGCCCGCGCTGAGGGCCGTG
CGGTGTTGGTGCATGTCAGGAGTCAGTCGAAGTGTGGCCATAATAACTGCTTTTC
TCATGAAGACTGACCAACTTCCCTTTGAAAAAGCCTATGAAAAGCTCCAGATTCTCAAAC
CAGAGGCTAAGATGAATGAGGGTTTGTAGTGGCAACTGAAATTATACCAGGCAATGGGAT
ATGAAGTGGATACCTCTAGTGAATTTATAAGCAATATCGTTTACAAAAGTTACAGAGA
AGTATCCAGAATTGCAGAATTTACCTCAAGAACTTTTGCTGTTGACCCAACCTACCGTTT
CACAAGGATTGAAAGATGAGGTTCTCTACAAGTGTAGAAAAGTGCAGGCGATCATTATTTT
GAAGTTCTAGTATTCTGGATCACCGTGAAGGAAGTGGACCTATAGCCTTTGCCACAAGA
GAATGACACCATCTTCCATGCTTACCACAGGGAGGCAAGCTCAATGTACATCTTATTTCA
TTGAACCTGTACAGTGGATGGAATCTGCTTTGTTGGGAGTGATGGATGGACAGCTTCTTT
GCCAAAATGCAGTGCCAAGTTGGGTTCCCTTCACTGGTATGGTGAACAGTGCTCTTGTG
GTAGGTGGATAACACCTGCTTTTCAAATACATAAGAATAGAGTGGATGAAATGAAAATAT
TGCTTGTGGGATCACAAACAGGAAAAATATGAACATGATATTTTATAGCTTGGGAAG
AAACTTGCAGATGATATGTGCTGCTTTGCTTCTTATCATTATGCAGAGATTGTTTGTGC
TTTCAACATTTTCAATTTGAAATGGGAGAAGATAAAATCACTTGATGTAACCTGGAACTAT
GCTTTACATGGCAATCAAAGCCTTTTGATCATGTACATTTTATTTGATATTAATACTTT
TATAACCAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_007240



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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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_007240.1 , NP_009171.1
RefSeq Size:	1271 bp
RefSeq ORF:	1023 bp
Locus ID:	11266
UniProt ID:	Q9UNI6
Cytogenetics:	1q23.3
Domains:	DSPc
Protein Families:	Druggable Genome, Phosphatase
Gene Summary:	<p>The protein encoded by this gene is a member of the dual specificity protein phosphatase subfamily. These phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the mitogen-activated protein (MAP) kinase superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. Different members of the family of dual specificity phosphatases show distinct substrate specificities for various MAP kinases, different tissue distribution and subcellular localization, and different modes of inducibility of their expression by extracellular stimuli. This gene product is the human ortholog of the <i>Saccharomyces cerevisiae</i> YVH1 protein tyrosine phosphatase. It is localized predominantly in the nucleus, and is novel in that it contains, and is regulated by a zinc finger domain.</p> <p>[provided by RefSeq, Jul 2008]</p>