

Product datasheet for **SC202852**

DUSP12 (NM_007240) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	DUSP12 (NM_007240) Human 3' UTR Clone
Vector:	pMirTarget (PS100062)
Symbol:	DUSP12
Synonyms:	DUSP1; YVH1
ACCN:	NM_007240
Insert Size:	321 bp
Insert Sequence:	>SC202852 3'UTR clone of NM_007240 The sequence shown below is from the reference sequence of NM_007240. The complete sequence of this clone may contain minor differences, such as SNPs. Blue =Stop Codon Red =Cloning site GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCA ACGATCGCC GTTTTGGGATCACAAACAGGAAAAAT TGA ACATGATATTTTATAGCTTGGGAAGAACTTGCAGATGA TATGTGCTGCCTTTGCTTCTTATCATTTCATGGCAGATTGTTGTGCTTTCAACATTTCAATTTGAAATGG GAGAAGATAAAATCACTTGATGTAACCTGGAACTATGCTTTACATGGCAATCAAAGCCTTTTGATCAT GTACATTTTATTTGATATTAATCTTTTATAACCAGATACTGTCTGTGTTTCATATATTTTAAAGT TTTGATTGTTGGAATGTTATATGATCTTAAGGTCTGTATAGACAA ACGCGT AAGCGGCCGCGGCATCTAGATTGAAAGAAATGACCGACCAAGCGACGCCCAACCTGCCATCA CGAGATTCGATTCCACCGCCCTTCTATGAAAGG
Restriction Sites:	Sgfl-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).
Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
RefSeq:	<u>NM_007240.3</u>



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Summary:

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 *Saccharomyces cerevisiae* 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. [provided by RefSeq, Jul 2008]

Locus ID: 11266

MW: 12.8