

## Product datasheet for TP302411

### DUSP12 (NM\_007240) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dual specificity phosphatase 12 (DUSP12), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC202411 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)
	MLEAPGPSDGCSELSNPSASRVSCAGQMLEVQPGLYFGAAVAEPDHLREAGITAVLTVDSEEPSFKAGP GVEDLWRLFVPALDKPETDLLSHLDRCVAFIGQARAEGRAVLVHCHAGVSRVAIITAFMLKTDQLPFEK AYEKLQILKPEAKMNEGFQWQLKLYQAMGYEVDTSIAIKYQYRLQKVTEKYPELQNLQPQLFAVDPTTVS QGLKDEVLYKCRKCRSLFRSSILDHREGSGPIAFHAKRMTSSMLTTGRQAQCTSYFIEPVQWMESAL LGVMDGQLLCPKCSAKLGSFNWYGEQCSCGRWITPAFQIHKNRVDEMKILPVLGSQTGKI
	<b>TRTRPLEQKLISEEDLAANDILDYKDDDDKV</b>
Tag:	C-Myc/DDK
Predicted MW:	37.5 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_009171</a></u>
Locus ID:	11266



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UniProt ID: [Q9UNI6](#)

RefSeq Size: 1271

Cytogenetics: 1q23.3

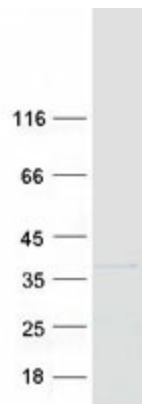
RefSeq ORF: 1020

Synonyms: DUSP1; YVH1

**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]

**Protein Families:** Druggable Genome, Phosphatase

### Product images:



Coomassie blue staining of purified DUSP12 protein (Cat# TP302411). The protein was produced from HEK293T cells transfected with DUSP12 cDNA clone (Cat# [RC202411]) using MegaTran 2.0 (Cat# [TT210002]).