

Product datasheet for **TP309271L**

DUSP9 (NM_001395) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human dual specificity phosphatase 9 (DUSP9), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC209271 protein sequence Red =Cloning site Green =Tags(s)

MEGLGRSCLWLRRELSPPRPRLLLLDCRSRELYESARIGGALSVALPALLRRLRRGSLSVRALLPGPPL
QPPPPAPVLLYDQGGGRRRRGEAEAEAEWEAEVLTLLQKLREEGYLAYYLQGGFSRFQAECPHLCET
SLAGRAGSSMAPLPGVPVVGSLCLGSDCSDAESEADRDSMSCGLDSEGATPPPVGLRASFPVQILPN
LYLGSARDSANLESLAKLGIRYILNVTPLNPNFFEKNGDFHYKQIPISDHWSQNLRRFFPEAIEFIDEAL
SQNRGVLVHCLAGVSRSVTVVAYLMQKLHLSLNDAYDLVKRKSNI SPNFNFMGQLLDFERSLRLEERH
SQEQGSGGQASAA SNPPSFFTTPTSDGAFELAPT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Predicted MW:	41.7 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>NP_001386</u>
Locus ID:	1852



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UniProt ID: [Q99956](#), [B2RAL9](#)

RefSeq Size: 2394

Cytogenetics: Xq28

RefSeq ORF: 1152

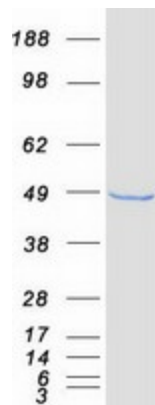
Synonyms: MKP-4; MKP4

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 shows selectivity for members of the ERK family of MAP kinases and is localized to the cytoplasm and nucleus. Aberrant expression of this gene is associated with type 2 diabetes and cancer progression in several cell types. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2016]

Protein Families: Phosphatase

Protein Pathways: MAPK signaling pathway

Product images:



Coomassie blue staining of purified DUSP9 protein (Cat# [TP309271]). The protein was produced from HEK293T cells transfected with DUSP9 cDNA clone (Cat# [RC209271]) using MegaTran 2.0 (Cat# [TT210002]).