

Product datasheet for PH309271

DUSP9 (NM_001395) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	DUSP9 MS Standard C13 and N15-labeled recombinant protein (NP_001386)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209271
Predicted MW:	41.9 kDa
Protein Sequence:	>RC209271 protein sequence Red=Cloning site Green=Tags(s)

MEGLGRSCLWLRRELSPRRPRLLLDCRSRELYESARIGGALSVALPALLRRLRRGSLSVRALLPGPPL
QPPPPAPVLLYDQGGRRRRGEAEAEAEWEAE SVLGTL LQKLREEGYL AYYLQGGFSRFQAECPHLCET
SLAGRAGSSMAPLPGVPVVGSLCLGSDCSDAESEADRDSMSCGLDSEGATPPPVGLRASFPVQILPN
LYLGSARDSANLESLAKLGIRYILNVTNLPNFFEKNGDFHYKQIPI SDHWSQNL SRFFPEAIEFIDEAL
SQNRGVLVHCLAGVSRSVTVTVAYLMQKLHL SLNDAYDLVKRKSNI SPNFMFMGQLLDFERSLRLEERH
SQEQGGGQASAA SNPPSFFTTPTSDGAFELAPT

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001386</u>
RefSeq Size:	2394
RefSeq ORF:	1152
Synonyms:	MKP-4; MKP4
Locus ID:	1852



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

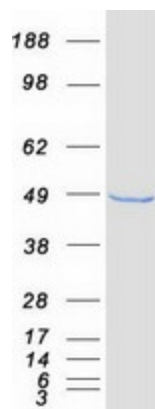
Cytogenetics: Xq28

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]).