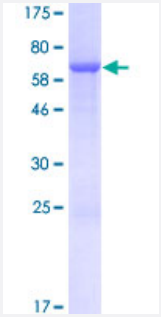
Full-Length

DUSP9 (Human) Recombinant Protein (P01)

Catalog # H00001852-P01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human DUSP9 full-length ORF (AAH60837.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	MEGLGRSCLWLRRELSPPRPRLLLLDCRSRELYESARIGGALSVALPALLLRRLRRGSLSVRALL PGPPLQPPPPAPVLLYDQGGGRRRRGEAEAEAEEWEAESVLGTLLQKLREEGYLAYYLQGGFS RFQAECPHLCETSLAGRAGSSMAPLPGPVPVVGLGSLCLGSDCSDAESEADRDSMSCGLDSE GATPPPVGLRASFPVQILPNLYLGSARDSANLESLAKLGIRYILNVTPNLPNFFEKNGDFHYKQIPIS DHWSQNLSRFFPEAIEFIDEALSQNRGVLVHCLAGVSRSVTVTVAYLMQKLHLSLNDAYDLVKRK KSNISPNFNFMGQLLDFERSLRLEERHSQEQGSGGQASAASNPPSFFTTPTSDGAFELAPT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	68.3
Interspecies Antigen Sequence	Mouse (71); Rat (76)
Preparation Method	*in vitro* wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — DUSP9

Entrez GeneID	1852
GeneBank Accession#	BC060837.1
Protein Accession#	AAH60837.1
Gene Name	DUSP9
Gene Alias	MKP-4, MKP4
Gene Description	dual specificity phosphatase 9
Omim ID	300134
Gene Ontology	Hyperlink
Gene 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, is expressed only in placenta, kidney, and fetal liver, and is localized to the cytoplasm and nucleus. [provided by RefSeq

Other Designations	OTTHUMP00000025951|OTTHUMP00000025953|map kinase phosphatase 4|serine/threonine specific protein phosphatase

Pathway

- MAPK signaling pathway

Disease

- Diabetes Mellitus
- Genetic Predisposition to Disease