

Recombinant Human DUSP9 Protein, GST-tagged

Cat. No. DUSP9-2948H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP9 full-length ORF (AAH60837.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	68.3 kDa
AA Sequence	MEGLGRSCLWLRRELSPPRPRLLLDCRSRELYESARIGGALSVALPALLRRLRRG

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SLSVRALLPGPPLQPPPPAPVLLYDQGGGRRRRGEAEAEAEWEAESVLGTLLQKL
 REEGYLAYYLQGGFSRFQAECPHLCETSLAGRAGSSMAPLPGVPVVGSLCLG
 SDCSDAESEADRDSMSCGLDSEGATPPPVGRLASFPVQILPNLYLGSARDSANLES
 LAKLGIRYILNVTPNLPNFFFEKNGDFHYKQIPISDHWSQNLSRFFPEAIEFIDEALSQN
 RGVLVHCLAGVSRSVTVTVAYLMQKLHLSLNDAYDLVKRKKSNISPNFNFIMGQLLDF
 ERSRLREERHSQEQQSGGQASAASNPPSFFTTPTSDGAFELAPT

Applications

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

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DUSP9 dual specificity phosphatase 9 [Homo sapiens]

Official Symbol

DUSP9

Synonyms

DUSP9; dual specificity phosphatase 9; dual specificity protein phosphatase 9; map kinase phosphatase 4; MKP 4; MKP4; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 4; MKP-4;

Gene ID

1852

mRNA Refseq

NM_001395

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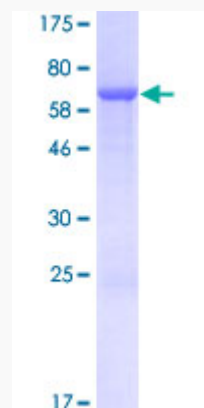
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Protein Refseq NP_001386

MIM 300134

UniProt ID Q99956

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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