

Recombinant Human DUSP9, His-tagged

Cat. No. DUSP9-12220H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP9 protein, fused to His-tag, was expressed in E.coli and purified by Ni-sepharose.
Species	Human
Source	E.coli
ProteinLength	1-381a.a.
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, is expressed only in placenta, kidney, and fetal liver, and is localized to the cytoplasm and nucleus.
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 300mM

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Imidazole and 0.7% Sarcosyl, 15%glycerol.

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
Protein Refseq	NP_001386
MIM	300134
UniProt ID	Q99956
Chromosome Location	Xq28
Pathway	MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway, conserved biosystem;
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; phosphoprotein phosphatase activity; protein tyrosine phosphatase activity;

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