Recombinant Human DUSP16, GST-tagged

Cat. No. DUSP16-102H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The protein was expressed as gst-tagged fusion protein by E.Coli and puri?ed by GSH-sepharose.
Species	Human
Source	E.coli
Description	This gene encodes a mitogen-activated protein kinase phosphatase that 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. The encoded protein specifically regulates the c-Jun amino-terminal kinase (JNK) and extracellular signal-regulated kinase (ERK) pathways.
AA Sequence	313-662aa
Storage	The protein is stored in PBS bu?er at -20 oC. Repeated freezethaw cycles should be avoided.
Storage Buffer	1M PBS (58mM Na2HPO4,17mM NaH2PO4, 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100,15%glycerol.

GENE INFORMATION

Gene Name	DUSP16 dual specificity phosphatase 16 [Homo sapiens (human)]

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Official Symbol	DUSP16
Synonyms	DUSP16; MKP7; MKP-7; dual specificity phosphatase 16; MAPK phosphatase-7; MAP kinase phosphatase 7; mitogen-activated protein kinase phosphatase 7; EC 3.1.3.16; EC 3.1.3.48
Gene ID	80824
mRNA Refseq	NM_030640
Protein Refseq	NP_085143
MIM	607175
UniProt ID	Q9BY84
Chromosome Location	12p13
Pathway	MAPK signaling pathway; Regulation of p38-alpha and p38-beta
Function	MAP kinase tyrosine/serine/threonine phosphatase activity; phosphoprotein phosphatase activity; protein tyrosine phosphatase activity

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