Recombinant Full Length Human DUSP10 Protein, GST-tagged

Cat. No. DUSP10-4089HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP10 full-length ORF (AAH20608, 1 a.a. - 140 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	140 amino acids
Description	Dual specificity protein phosphatases inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAP kinase superfamily, which is associated with cellular proliferation and differentiation. Different members of this family of dual specificity phosphatases show distinct substrate specificities for MAP kinases, different tissue distribution and subcellular localization, and different modes of expression induction by extracellular stimuli. This gene product binds to and inactivates p38 and SAPK/JNK. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Apr 2014]
Molecular Mass	41.14 kDa
AA Sequence	MQRLNIGYVINVTTHLPLYHYEKGLFNYKRLPATDSNKQNLRQYFEEAFEFIEEAHQC GKGLLIHCQAGVSRSATIVIAYLMKHTRMTMTDAYKFVKGKRPIISPNLNFMGQLLEF EEDLNNGVTPRILTPKLMGVETVV

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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	DUSP10 dual specificity phosphatase 10 [Homo sapiens]
Official Symbol	DUSP10
Synonyms	DUSP10; dual specificity phosphatase 10; dual specificity protein phosphatase 10; MKP 5; MKP5; map kinase phosphatase 5; dual specificity phosphatase MKP-5; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 5; MKP-5;
Gene ID	11221
mRNA Refseq	NM_007207
Protein Refseq	NP_009138
MIM	608867
UniProt ID	Q9Y6W6

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