Recombinant Full Length Human DUSP2 Protein, GST-tagged

Cat. No. DUSP2-132HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP2 full-length ORF (ACE87730.1, 1 a.a. - 314 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	1 a.a. - 314 a.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 are 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 inactivates ERK1 and ERK2, is predominantly expressed in hematopoietic tissues, and is localized in the nucleus.
Molecular Mass	60.94 kDa
AA Sequence	MGLEAARELE CAALGTLLRD PREAERTLLL DCRPFLAFCR RHVRAARPVP WNALLRRRAR GPPAAVLACL LPDRALRTRL VRGELARAVV LDEGSASVAE

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	LRPDSPAHVL LAALLHETRA GPTAVYFLRG GFDGFQGCCP DLCSEAPAPA LPPTGDKTSR SDSRAPVYDQ GGPVEILPYL FLGSCSHSSD LQGLQACGIT AVLNVSASCP NHFEGLFRYK SIPVEDNQMV EISAWFQEAI GFIDWVKNSG GRVLVHCQAG ISRSATICLA YLMQSRRVRL DEAFDFVKQR RGVISPNFSF MGQLLQFETQ VLCH
Applications	ELISA; WB; Antibody Production; Protein Array
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	DUSP2 dual specificity phosphatase 2 [Homo sapiens (human)]
Official Symbol	DUSP2
Synonyms	DUSP2; PAC1; PAC-1; dual specificity phosphatase 2; dual-specificity phosphatase 2; dual specificity protein phosphatase PAC-1; serine/threonine specific protein phosphatase; EC 3.1.3.16; EC 3.1.3.48
Gene ID	1844
mRNA Refseq	NM_004418
Protein Refseq	NP_004409
MIM	603068
UniProt ID	Q05923

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