

Recombinant Human DUSP8 Protein, GST-tagged

Cat. No. DUSP8-2947H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP8 partial ORF (NP_004411, 2 a.a. - 109 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 inactivates SAPK/JNK and p38, is expressed predominantly in the adult brain, heart, and skeletal muscle, is localized in the cytoplasm, and is induced by nerve growth factor and insulin. An intronless pseudogene for DUSP8 is present on chromosome 10q11.2. [provided by RefSeq, Jul 2008]
Molecular Mass	37.62 kDa
AA Sequence	AGDRLPRKVMDAKKLASLLRGPGGPLVIDSRSFVEYNSWHVLSSVNICCSKLVKR

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RLQQGKVTIAELIQPAARSQVEATEPQDVVVYDQSTRDASVLAADSFLSILL

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

DUSP8 dual specificity phosphatase 8 [Homo sapiens]

Official Symbol

DUSP8

Synonyms

DUSP8; dual specificity phosphatase 8; C11orf81, chromosome 11 open reading frame 81; dual specificity protein phosphatase 8; FLJ42958; H1 phosphatase; vaccinia virus homolog; HB5; HVH 5; serine/threonine specific protein phosphatase; H1 phosphatase, vaccinia virus homolog; dual specificity protein phosphatase hVH-5; HVH8; HVH-5; C11orf81; FLJ42476;

Gene ID

1850

mRNA Refseq

NM_004420

Protein Refseq

NP_004411

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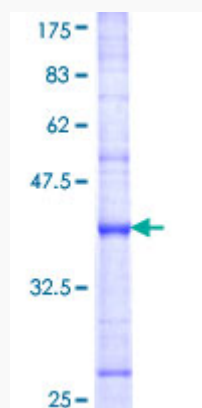
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MIM 602038

UniProt ID Q13202

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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