

Recombinant Full Length Human DUSP5 Protein, GST-tagged

Cat. No. DUSP5-4110HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP5 full-length ORF (AAH62545.1, 1 a.a. - 384 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	384 amino acids
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, is expressed in a variety of tissues with the highest levels in pancreas and brain, and is localized in the nucleus. [provided by RefSeq, Jul 2008]
Molecular Mass	68.64 kDa
AA Sequence	MKVTSLDGRQLRKMLRKEAAARCVVLD CRPYLAFAASNVRGSLNVNLNSVVLRRAR GGAVSARYVLPDEAARARLLQEGGGVA AVVLDQGSRHWQKLREESAARVVLTS

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LLACLPAGPRVYFLKGGYETFYSEYPECCVDVKPISQEKIESERALISQCGKPVVNV
YRPAYDQGGPVEILPFLYLGSAYHASKCEFLANLHITALLNVSRRTSEACMTHLHYK
WIPVEDSHTADISSHFQEAFIDCVREKGGKVLVHCEAGISRPTICMAYLMKTKQF
RLKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIGH
LQTLSPDMQGAYCTFPASVLAPVPTHSTVSELSRSPVATATSC

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

DUSP5 dual specificity phosphatase 5 [Homo sapiens]

Official Symbol

DUSP5

Synonyms

DUSP5; dual specificity phosphatase 5; dual specificity protein phosphatase 5; HVH3; VH1-like phosphatase 3; dual specificity protein phosphatase hVH3; serine/threonine specific protein phosphatase; DUSP;

Gene ID

1847

mRNA Refseq

NM_004419

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Protein Refseq	NP_004410
MIM	603069
UniProt ID	Q16690

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