

Recombinant Full Length Human DUSP11 Protein, GST-tagged

Cat. No. DUSP11-4090HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DUSP11 full-length ORF (NP_003575.1, 1 a.a. - 330 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	330 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 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 is localized to the nucleus and binds directly to RNA and splicing factors, and thus it is suggested to participate in nuclear mRNA metabolism. [provided by RefSeq, Sep 2008]
Molecular Mass	65.3 kDa
AA Sequence	MSQWHHPRSGWGRRRDFSGRSSAKKKGGNHIPERWKDYLPVGQRMPGTRFIAFK VPLQKSFEKKLAPEECFSPLDLFNKIREQNEELGLIIDLTYTQRYYPEDLPETVPYLKI

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FTVGHQVPDDETIFKFKHAVNGFLKENKDNDKLIGVHCTHGLNRTGYLICRYLIDVEG
VRPDDAIELFNRCRGHCLERQNYIEDLQNGPIRKNWNSSVPRSSDFEDSAHLMQPV
HNKPVKQGPRYNLHQIQGHSAPRHFHTQTQSLQQSVRKFSENPHVYQRHHLPPPG
PPGEDYSHRRYSWNVKNASRAAQDRRRWYPYNYSRLSYPACWEWTQ

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 [DUSP11 dual specificity phosphatase 11 \(RNA/RNP complex 1-interacting\) \[Homo sapiens \]](#)

Official Symbol [DUSP11](#)

Synonyms DUSP11; dual specificity phosphatase 11 (RNA/RNP complex 1-interacting); RNA/RNP complex-1-interacting phosphatase; PIR1; RNA/RNP complex-interacting phosphatase; dual specificity protein phosphatase 11; serine/threonine specific protein phosphatase; phosphatase that interacts with RNA/RNP complex 1;

Gene ID [8446](#)

mRNA Refseq [NM_003584](#)

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Protein Refseq	NP_003575
MIM	603092
UniProt ID	O75319

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