

Recombinant Human DUSP11 Protein, GST-tagged

Cat. No. DUSP11-2923H 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	Wheat Germ
Description	<p>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]</p>
Molecular Mass	65.3 kDa
AA Sequence	MSQWHHPRSGWGRRRDFSGRSSAKKKGGNHIPERWKDYLPVGQRMPGTRFIAFK VPLQKSFEEKLAPEECFSPDLDFNKIREQNEELGLIIDLTYTQRYYPEDLPETVPYLKI FTVGHQVPDDETIFKFKHAVNGFLKENKDNKDLIGVHCTHGLNRTGYLICRYLIDVEG

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VRPDDAIELFNRCRGRHCLERQNYIEDLQNGPIRKNWNSSVPRSSDFEDSAHLMQPV
 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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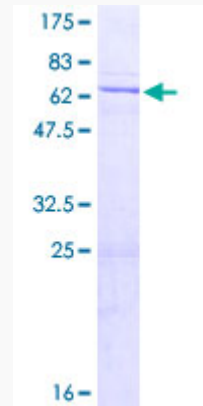
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Protein Refseq NP_003575

MIM 603092

UniProt ID O75319

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

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