

Recombinant Human DUSP11 Protein, His-tagged

Cat. No. DUSP11-640H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP11 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
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.
Form	50mM Tris, 8M Urea, pH8.0.
Molecular Mass	38.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

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

Protein Refseq NP_003575

MIM 603092

UniProt ID O75319

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