

## Recombinant Human DUSP11, GST-tagged

Cat. No. DUSP11-12204H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human DUSP11 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>ProteinLength</b>	1-203a.a.
<b>Description</b>	<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.</p>
<b>Storage</b>	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
<b>Storage Buffer</b>	1M PBS (58mM Na <sub>2</sub> HPO <sub>4</sub> , 17mM NaH <sub>2</sub> PO <sub>4</sub> , 68mM NaCl, pH8. ) added with 100mM

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GSH and 1% Triton X-100,15%glycerol.

## 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](#)

**Chromosome Location** 2p13.1

**Function** RNA binding; hydrolase activity; phosphatase activity; protein tyrosine phosphatase activity; protein tyrosine/serine/threonine phosphatase activity;

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