

## Recombinant Human DUSP5

**Cat. No.** DUSP5-28378TH    **Lot. No.** (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant fragment of Human DUSP5 with N terminal proprietary tag; predicted MWt: 36.52 kDa including the tag.
<b>Species</b>	Human
<b>Source</b>	Wheat Germ
<b>ProteinLength</b>	99 amino acids
<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 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.</p>
<b>Molecular Weight</b>	36.520kDa inclusive of tags
<b>Form</b>	Liquid

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

<b>Purity</b>	Proprietary Purification
<b>Storage buffer</b>	pH: 8.00 Constituents: 0.79% Tris HCl, 0.3% Glutathione
<b>Storage</b>	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles.
<b>Sequences of amino acids</b>	LKEAFDYIKQRRSMVSPNFGFMGQLLQYESEILPSTPNPQPPSCQGEAAGSSLIGHL QTLSPDMQGAYCTFPASVLAPVPTHSTVSELSRSPVATATSC

## GENE INFORMATION

<b>Gene Name</b>	DUSP5 dual specificity phosphatase 5 [ Homo sapiens ]
<b>Official Symbol</b>	DUSP5
<b>Synonyms</b>	DUSP5; dual specificity phosphatase 5; dual specificity protein phosphatase 5; HVH3;
<b>Gene ID</b>	1847
<b>mRNA Refseq</b>	NM_004419
<b>Protein Refseq</b>	NP_004410
<b>MIM</b>	603069
<b>Uniprot ID</b>	Q16690
<b>Chromosome Location</b>	10q25
<b>Pathway</b>	ATF-2 transcription factor network, organism-specific biosystem; Direct p53 effectors,

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



organism-specific biosystem; MAPK signaling pathway, organism-specific biosystem;  
MAPK signaling pathway, organism-specific biosystem; MAPK signaling pathway,  
conserved biosystem;

**Function**

MAP kinase tyrosine/serine/threonine phosphatase activity; hydrolase activity; protein  
tyrosine phosphatase activity;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA