

Recombinant Human DUSP1 Protein, His-tagged

Cat. No. DUSP1-1392H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human DUSP1 Protein (Val175-Cys367) with N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Val175-Cys367
Description	The protein encoded by this gene is a phosphatase with dual specificity for tyrosine and threonine. The encoded protein can dephosphorylate MAP kinase MAPK1/ERK2, which results in its involvement in several cellular processes. This protein appears to play an important role in the human cellular response to environmental stress as well as in the negative regulation of cellular proliferation. Finally, the encoded protein can make some solid tumors resistant to both chemotherapy and radiotherapy, making it a target for cancer therapy.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 21 kDa Accurate Molecular Mass: 51 kDa
Purity	> 97%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.

GENE INFORMATION

Gene Name	DUSP1 dual specificity phosphatase 1 [Homo sapiens (human)]
Official Symbol	DUSP1
Synonyms	DUSP1; dual specificity phosphatase 1; PTPN10; dual specificity protein phosphatase 1; CL100; HVH1; MKP 1; MAP kinase phosphatase 1; protein-tyrosine phosphatase CL100; dual specificity protein phosphatase hVH1; serine/threonine specific protein phosphatase; mitogen-activated protein kinase phosphatase 1; MKP1; MKP-1;
Gene ID	1843
mRNA Refseq	NM_004417
Protein Refseq	NP_004408
MIM	600714

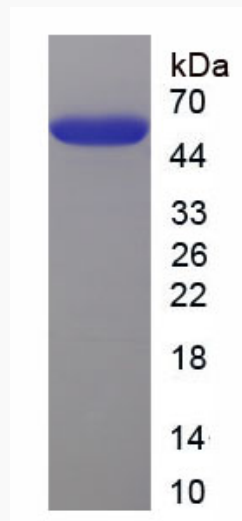
 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

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

UniProt ID

P28562

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA