

DUSP10, human recombinant protein
Dual specificity protein phosphatase 10, MKP5
Catalog # PBV11373r**Specification**

DUSP10, human recombinant protein - Product info

Primary Accession	O9Y6W6
Concentration	0.25
Calculated MW	40.4 kDa (359 aa, 149-482 aa + His Tag) kDa

DUSP10, human recombinant protein - Additional Info

Gene ID	11221
Gene Symbol	DUSP10
Other Names	
Dual specificity protein phosphatase 10, MKP5	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 1600 unit/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMIYPN DLAKKMTKCS KSHLPSQGPV IIDCRPFMEY NKSHIQGAVH INCADKISRR RLQQGKITVL DLISCREGKD SFKRIFSKEI IVYDENTNEP SRVMPSQPLH IVLESLKREG KEPLVLKGGL SSFQKNHENL CDNSLQLQEC REVGGGASAA SLLPQPIPT TPDINAELT PILPFLFLGN EQDAQDLDTM QRLNIGYVIN VTTHLPLYHY EKGLFNYKRL PATDSNKQNL RQYFEEAFEF IEEAHQCGKG LLIHCQAGVS RSATIVIAYL MKHTRMTMTD AYKFVKGKRP IISPNLNFMG QLLEFEEDLN NGVTPRILTP KLMGVETVV

Target/Specificity
DUSP10**Format**
Liquid**Storage**
-20°C; 0.25 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 50% glycerol, 0.2 M NaCl and 2 mM DTT**DUSP10, human recombinant protein - Protocols**

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

DUSP10, human recombinant protein - Images

DUSP10, human recombinant protein - Background

DuSP10 (Dual specificity protein phosphatase 10) belongs to the protein-tyrosine phosphatase family. Dual specificity protein phosphatases (DuSPs) inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. They negatively regulate members of the MAPK superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation. DuSP10 has been shown to interact with MAPK14 and MAPK8. When expressed in mammalian cells, DuSP10 blocks the enzymatic activation of MAP kinases with the selectivity p38 approximately JNK/SAPK >> ERK. Recombinant human DuSP10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.