



Recombinant Human Dual specificity protein phosphatase 5 (DUSP5)

Product Code	CSB-EP620976HU-B
Abbreviation	DUSP5
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q16690
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	MKVTSLDGRQ LRKMLRKEAA ARCVVLD CRP YLAF AASNVR GSLNVNLNSV VLR RARGGAV SARYVLPDEA ARARLLQEGG GGVA AVVLD QGSRHWQKLR EESAARVLT SLLACL PAGP RVYFLKGGYE TFYSEYPECC VDVKPISQEK IESERALISQ CGKPVVNSY RPAYDQGGPV EILPFLYLGS AYHASKCEFL ANLHITALLN VSRRTSEACA THLHYKWIPV EDSHTADISS HFQE AIDFID CVREKGGKVL VHCEAGISRS PTICMAYLMK TKQFRLKEAF DYIKQRSMV SPNFGFMGQL LQYESEILPS TPNPQPPSCQ GEAAGSSLIG HLQTLSPDMQ GAYCTFPASV LAPVPTHSTV SELSRSPVAT ATSC
Source	E.coli
Target Names	DUSP5
Protein Names	Recommended name: Dual specificity protein phosphatase 5 EC= 3.1.3.16 EC= 3.1.3.48 Alternative name(s): Dual specificity protein phosphatase hVH3
Expression Region	1-384
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	full length protein
Target Details	This protein 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.

Reconstitution

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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