



Recombinant Mouse Dual specificity protein phosphatase 3 (Dusp3)

Product Code	CSB-MP887545MO
Abbreviation	Dusp3
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.	Q9D7X3
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	MSSSFELSVQ DLNDLLSDGS GCYSLPSQPC NEVVPRVYVG NASVAQDITQ LQKLGITHVL NAAEGRSFMH VNTSASFYED SGITYLGIKA NDTQEFNLSA YFERATDFID QALAHKNGRV LVHCREGYSR SPTLVIAYLM MRQKMDVKSA LSTVRQNREI GPNDGFLAQL CQLNDRLAKE GKVKL
Source	Mammalian cell
Target Names	Dusp3
Protein Names	Recommended name: Dual specificity protein phosphatase 3 EC= 3.1.3.16 EC= 3.1.3.48 Alternative name(s): T-DSP11 Vaccinia H1-related phosphatase Short name= VHR
Expression Region	1-185
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 maps in a region that contains the BRCA1 locus which confers susceptibility to breast and ovarian cancer. Although DUSP3 is expressed in both breast and ovarian tissues, mutation screening in breast cancer pedigrees and in sporadic tumors was negative, leading to the conclusion that this gene is not BRCA1.



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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