

DUSP23, human recombinant protein

Dual specificity protein phosphatase 23, DUSP25, LDP-3, MOSP, VHZ

Catalog # PBV11376r

Specification

DUSP23, human recombinant protein - Product info

Primary Accession	O9BVJ7
Concentration	1
Calculated MW	18.8 kDa (170 aa, 1-150 aa + His Tag) KDa

DUSP23, human recombinant protein - Additional Info

Gene ID	54935
Gene Symbol	DUSP23
Other Names	
Dual specificity protein phosphatase 23, DUSP25, LDP-3, MOSP, VHZ	
Gene Source	Human
Source	E.coli
Assay&Purity	SDS-PAGE; ≥90%
Assay2&Purity2	N/A;
Recombinant	Yes
Results	Specific activity is > 320 unit/mg
Sequence	MGSSHHHHHH SSGLVPRGSH MGVQPPNFSW VLPGRLAGLA LPRLPAHYQF LLDLGVRHLV SLTERGPPHS DSCPGTLHR LRIPDFCPPA PDQIDRFVQI VDEANARGEA VGVHICALGFG RTGTMLACYL VKERGLAAGD AIAEIRRLRP GSIETYEQEK AVFQFYQRTK

Target/Specificity

DUSP23

Format

Liquid

Storage

-20°C; 1 mg/ml solution in 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 100 mM NaCl and 2 mM DTT

DUSP23, 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](#)

DUSP23, human recombinant protein - Images**DUSP23, human recombinant protein - Background**

DuSP23, also known as low molecular mass dual specificity phosphatase 3(LDP-3), belongs to the protein-tyrosine phosphatase family. This protein is a protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10) in vitro. This protein able to enhance activation of JNK and p38(MAPK14). Recombinant human DuSP23 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

DUSP23, human recombinant protein - References

Takagaki K.,et al.Biochem. J. 383:447-455(2004).
Ota T.,et al.Nat. Genet. 36:40-45(2004).
Gregory S.G.,et al.Nature 441:315-321(2006).
Alonso A.,et al.J. Biol. Chem. 279:35768-35774(2004).
Wu Q.,et al.Int. J. Biochem. Cell Biol. 36:1542-1553(2004).