

Dual Specificity Phosphatase 23 Human Recombinant, Active

Item Number	rAP-1515
Synonyms	Dual specificity protein phosphatase 23, Low molecular mass dual specificity phosphatase 3, LDP-3, VH1-like phosphatase Z, DUSP23, LDP3, VH2, VH1-Like Member Z, EC 3.1.3.16, EC 3.1.3.48, DUSP25, MOSP, LDP3, Dual Specificity Phosphatase 23, VH1-Like Phosph
Description	DUSP23 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (1-150 a.a) and having a molecular mass of 18.8kDa. DUSP23 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9BVJ7
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGVPNNFSW VLPGRLAGLA LPRLPAHYQF LLDLGVRHLV SLTERGPPHS DSCPLTLHR LRIPDFCPA PDQIDRFVQI VDEANARGEA VGVHICALGF RTGTMLACYL VKERGLAAGD AIAEIRLRP GSIETYEQEK AVFQFYQRTK.
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.
Formulation and Purity	DUSP23 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 200 units/mg, and is defined as the amount of enzyme that hydrolyzes 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**