

## Dual Specificity Phosphatase 23 Human Recombinant, Active

<b>Item Number</b>	rAP-1515
<b>Synonyms</b>	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
<b>Description</b>	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.
<b>Uniprot Accesion Number</b>	Q9BVJ7
<b>Amino Acid Sequence</b>	MGSSHHHHHH SSGLVPRGSH MGVQPPNFSW VLPGRLAGLA LPRLPAHYQF LLDLGVRHLV SLTERGPPHS DSCPGLTLHR LRIPDFCSPA PDQIDRFLVQI VDEANARGEA VGVHCALGFG RTGTMALACYL VKERGLAAGD AIAEIRRLRP GSIETYEQEK AVFQFYQRTK.
<b>Source</b>	Escherichia Coli.
<b>Physical Appearance and Stability</b>	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.
<b>Formulation and Purity</b>	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.
<b>Application</b>	
<b>Solubility</b>	
<b>Biological Activity</b>	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.
<b>Shipping Format and Condition</b>	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**