

Dual Specificity Phosphatase 18 Human Recombinant, Active

Item Number	rAP-1512
Synonyms	Dual specificity protein phosphatase 18, Low molecular weight dual specificity phosphatase 20, LMW-DSP20, DUSP18, LMWDSP20, VHP, DUSP26.
Description	DUSP18 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 212 amino acids (1-188a.a.) and having a molecular mass of 23.6kDa.DUSP18 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accesion Number	Q8NEJ0
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSHTAPSC AFPVQFRQPS VSGLSQITKS LYISNGVAAN NKLM-LSSNQI TMVINVSVEV VNTLYEDIQY MQVPVADSPN SRLCDDFDPI ADHIHSVEMK QGRTLLHCAA GVSRSALCL AYLMKYHAMS LLDAHTWTKS CRPIRPNSG FWEQLIH YEF QLF GKNTVHM VSSPVG-MIPD IYEKEVRLMI PL
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	The DUSP18 protein solution (0.5mg/ml) is formulated in 20mM Tris-HCl buffer (pH8.0), 0.1mM PMSF, 1mM DTT, 40% glycerol and 1mM EDTA. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	Specific activity is > 300 units/mg, and is defined as the amount of enzyme that hydrolyze 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**