

Dual Specificity Phosphatase 10 Human Recombinant

Item Number	rAP-1528
Synonyms	Dual specificity protein phosphatase 10, dual specificity phosphatase MKP-5, MKP-5, MAP kinase phosphatase 5, Mitogen-activated protein kinase phosphatase 5, serine/threonine specific protein phosphatase, EC 3.1.3.16, EC 3.1.3.48.
Description	DUSP10 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 359 amino acids (149-482) and having a molecular mass of 40.4kDa. DUSP10 is fused to a 25 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.
Uniprot Accession Number	Q9Y6W6
Amino Acid Sequence	MGSSHHHHHH SSGLVPRGSH MGSMMIYPN DLAKKMTKCS KSHLPSQGPV IIDCRPFMEY NKSHIQGAVH INCADKISRR RLQQGKITVL DLISCREGKD SFKRIFSKEI IVYDENTNEP SRVMPSQPLH IVLESLKREG KEPLVLKGGI SSFKQNHENL CDNSLQLQEC REVGGGASAA SSLLPQPIPT TPDINAELT PILPFLFLGN EQDAQDLDTM QRLNIGYVIN VTTHLPLYHY EKGLFNYKRL PATDSNKQNL RQYFEEAFEF IEEAHQCGKG LLIHCCQAGVS RSATIVIAYL MKHTRMTMTD AYKFVKGKRP IISPNLNFMG QLLEFEEDLN NGVTPRILTP KLMGVETVV.
Source	E.coli.
Physical Appearance and Stability	Sterile Filtered colorless 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 DUSP10 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 50% glycerol. Greater than 90% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
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**