

32-2289: DUSP13 Recombinant Protein

Alternative Name : Dual specificity protein phosphatase 13, Dual specificity phosphatase SKRP4, Testis- and skeletal-muscle-specific DSP, DUSP13, TMDP, BEDP, MDSP, SKRP4, DUSP13A, DUSP13B.

Description

Source : E.coli. DUSP13 Human Recombinant produced in E. coli is a single polypeptide chain containing 222 amino acids (1-198) and having a molecular mass of 24.7kDa. DUSP13 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. Dual specificity phosphatase 13 (DUSP13) is a member of the protein-tyrosine phosphatase family. DUSP13 cooperates with protein kinases to control cell proliferation and differentiation. DUSP13 is engaged in the regulation of meiosis and/or differentiation of testicular germ cells in the course of spermatogenesis. DUSP13 demonstrates intrinsic phosphatase activity towards both phospho-seryl/threonyl and -tyrosyl residues of myelin basic protein, with similar specific activities in vitro.

Product Info

Amount : 10 µg
Purification : Greater than 95% as determined by SDS-PAGE.
Content : The DUSP13 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT and 50mM NaCl.
Storage condition : 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.
Amino Acid : MGSSHHHHHH SSGLVPRGSH MGSMDLSLQK QDLRRPKIHG AVQASPYQPP TLASLQRLW
VRQAATLNHI DEVWPSLFLG DAYAARDKSK LIQLGITHVV NAAAGKFQVD TGAKFYRGMS LEYGGIEADD
NPFDDL SVYF LPVARYIRAA LSVPOGRVLV HCAMGVSRSA TLVLAFLMIC ENMTLVEAIQ TVQAHRNICP
NSGFLRQLQV LDNRLGRETG RF.