

## 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 SSSLVPRGSH MGSMDLSLQK QDLRRPKIHG AVQASPYQPP TLASLQRLW  
VRQAATLNHI DEVWPSLFLG DAYAARDKSK LIQLGITHVV NAAAGKFQVD TGAKFYRGMS LEYGGIEADD  
NPFDDLVSFY LPVARYIRAA LSVPOGRVLV HCAMGVSRSA TLVLAFLMIC ENMTLVEAIQ TVQAHRNICP  
NSGFLRQLQV LDNRLGRETG RF.

