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**Product Data Sheet**


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Product Name: DUSP13 Human  
 Cat. No.: GP21577  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	E.coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dual specificity protein phosphatase 13; Dual specificity phosphatase SKRP4; Testis- and skeletal-muscle-specific DSP; DUSP13; TMDP; BEDP; MDSP; SKRP4; DUSP13A; DUSP13B.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMDLQK QDLRRPKIHG AVQASPYQPP TLASLQRLW VRQAATLNHI DEVWPSLFLG DAYAARDKSK LIQLGITHVV NAAAGKFQVD TGAKFYRGMS LEYYGIEADD NPFFDLSVYF LPVARYIRAA LVPQGRVLV HCAMGVSRSA TLVLAFLMIC ENMTLVEAIQ TVQAHRNICP NSGFLRQLQV LDNRLGRETG RF.		
Formulation	The DUSP13 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT and 50mM NaCl.		

**Introduction**

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.

**Stability**

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.

**Background**

DUSP13 Human Recombinant produced in E. coli is a single polypeptide chain containing

**Caution: Product has not been fully validated for medical applications. For research use only.**

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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.

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