

## DUSP13 Human

**Description:**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.

**Catalog #:**ENPS-642

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

For research use only.

**Source:**E.coli.

**Physical Appearance:**Sterile Filtered colorless solution.

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSMDLSLQK QDLRRPKIHG  
AVQASPYQPP TLASLQRLLW VRQAATLNHI DEVWPSLFLG DAYAARDKSK LIQLGITHVV  
NAAAGKFQVD TGAKFYRGMS LEYYGIEADD NPFFDLSVYF LPVARYIRAA LSVPQGRVLV  
HCAMGVSRSA TLVLAFLMIC ENMTLVEAIQ TVQAHRNICP NSGFLRQLQV LDNRLGRETG RF.

**Purity:**Greater than 95% as determined by SDS-PAGE.

### Formulation:

The DUSP13 solution (0.5mg/ml) contains 20mM Tris-HCl buffer, pH8.0, 10% glycerol, 2mM DTT and 50mM NaCl.

### 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.

### Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

### 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.

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