

## DUSP19 Human

**Description:**DUSP19 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 176 amino acids (65-217) and having a molecular mass of 19.4kDa.DUSP19 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:**ENPS-208

For research use only.

**Synonyms:**Dual specificity protein phosphatase 19, Dual specificity phosphatase TS-DSP1, Low molecular weight dual specificity phosphatase 3, LMW-DSP3, Protein phosphatase, SKRP1, Stress-activated protein kinase pathway-regulating phosphatase 1, SAPK pathway-regula

**Source:**Escherichia Coli.

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

**Amino Acid Sequence:**MGSSHHHHHH SSGLVPRGSH MGSQGVGVIKP WLLGSSQDAA  
HDLDTLKKNK VTHILNVAYG VENAFLSDFT YKISILDLP ETNILSYFPE CFEFIEEAKR  
KDGVLVHCN AGVSRAAAIV IGFLMNSEQT SFTSAFSLVK NARPSICPNS GFMEQLRTYQ  
EGKESNKCDR IQENSS.

**Purity:**Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

The DUSP19 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.1M 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:**

DUSPs are distinguished by their ability to dephosphorylate both tyrosine and serine/threonine residues. DUSPs have been implicated as major modulators of critical signaling pathways. Dual specificity phosphatase 19 (DUSP19) belongs to the dual specificity protein phosphatase subfamily. DUSP19 is a protein phosphatase which functions as a stress-activated protein kinase pathway-regulating phosphatase. DUSP19 contains a variation of the consensus DUSP C-terminal catalytic domain, with the last serine residue replaced by alanine, and lacks the N-terminal CH2 domain found in the MKP class of DUSPs.

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