

## 32-2291: DUSP19 Recombinant Protein

### Alternative Name :

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-r

### Description

Source : Escherichia Coli. 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. 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.

### Product Info

**Amount :** 10 µg

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

**Content :** The DUSP19 solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 1mM DTT, 30% glycerol and 0.1M 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 SGLVPRGSH MGSQVGVIKP WLLGSQDAA HDLDTLKKNK VTHILNVAYG  
VENAFLSDFT YKISILDLP ETNLSYFPE CFEFIEEAKR KDGVLVHCN AGVSRAAAIV IGFLMNSEQT  
SFTSAFSLVK NARPSICPNS GFMEQLRTYQ EGKESNKCDR IQENSS.

