

**DUSP18, 1-188aa, Human, His tag, E.coli**

**Cat.NO.: TP01933**

3th Edition

**Synonyms:**Dual specificity protein phosphatase 18, DSP18, DUSP20.

**Description:**Dual specificity phosphatase 18, also known as DUSP18, is a member of the dual-specificity phosphatase (DSP) family, which catalyzes dephosphorylation of phosphotyrosine and phosphothreonine residues. DUSP18 is inhibited by iodoarectic acid and is activated by manganese ions.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 1mM DTT, 40% glycerol, 0.1mM PMSF, 1mM EDTA

**Molecular Weight:**23.6 kDa (212aa) confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVAANNKMLLSSNQITMVIN  
VSVEVVNTLYEDIQYMQVPVADSPNSRLCDDFDPIADHIHSVEMKQGRLLHCAAGVSRSAALCLAYLMKYHAMSL  
LDAHTWTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHVMVSSPVGMIPDIYEKEVRLMIPL

**Purity:**> 95% by HPLC

**Concentration:**0.5 mg/ml (determined by Bradford assay)

**Endotoxin Level:**<1.0 EU per 1 ug of protein (determined by LAL method)

**Storage:**Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.