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DUSP18, 1-188aa, Human, His-tag, E.coli (Bioactivity Validated)

产品货号: TP01934

第三版

**别名:**Dual specificity protein phosphatase 18, DSP18, DUSP20

**描述:**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 iodoacetate and is activated by manganese ions. Along with having preferential enzymatic activity against phosphorylated tyrosine residues over threonine residues, DUSP18 also dephosphorylates p-nitrophenyl phosphate (pNPP) in vitro. This protein is widely expressed with highest levels in liver, brain, ovary and testis. Recombinant human DUSP18 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

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

**分子量:**23.6 kDa (212aa) confirmed by MALDI-TOF

**序列:**

MGSSHHHHHSSGLVPRGSHMGSHMTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVAANNKMLLSSNQITMVINVSVEV  
VNTLYEDIQYMQVPVADSPNSRLCDFDPIADHIHSVEMKQGRTLLHCAAGVSRSAALCLAYLMKYHAMSLLD AHTWT  
KSCRPIIRPNSGFWEQLIHYEFLFGKNTVH MVSSPVG MIPDIYEKEVRLMIPL

**纯度:**> 95% by HPLC

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

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

**存储:** +4 ° C 保存 (1-2 周). 长期保存在-20 ° C或者-70 ° C. 避免反复冻融.