

**DUSP21, 1-190aa, Human, His tag, E.coli**

**Cat.NO.: TP01936**

3th Edition

**Synonyms:**Dual specificity protein phosphatase 21.

**Description:**DUSP21 (Dual specificity protein phosphatase 21) belongs to the protein-tyrosine phosphatase family. Dual specificity protein phosphatases(DUSPs) inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. This enzyme can dephosphorylate single and diphosphorylated synthetic MAPK peptides, with preference for the phosphotyrosine and diphosphorylated forms over phosphothreonine.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 20% glycerol, 200mM NaCl

**Molecular Weight:**24.1kDa (214aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMTASASSFSSSQGVQQPSIYSFSQITRSLFLSNGVAANDKLLLSSNRITAIV  
NASVEVVNVFFEGIQYIKVPVTDARDSRLYDFFDPIADLIHTIDMRQGRTLLHCMAGVSRASLCLAYLMKYHSMSLL  
DAHTWTKSRRPIIRPNNGFWEQLINYEKLFNNNTVRMINSPVGNIPDIYEKDLRMMISM

**Purity:**> 95% by HPLC

**Concentration:**0.25mg/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.