

**DUSP10, 149-482aa, Human, His tag, E.coli**

**Cat.NO.: TP01931**

3th Edition

**Synonyms:**Dual specificity protein phosphatase 10, MKP-5, MKP5.

**Description:**DUSP10 (Dual specificity protein phosphatase 10) 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. They negatively regulate members of the MAPK superfamily (MAPK/ERK, SAPK/JNK, p38), which is associated with cellular proliferation and differentiation.

**Form:**Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 2mM DTT, 50% glycerol, 200mM NaCl

**Molecular Weight:**40.4kDa (359aa), confirmed by MALDI-TOF

**Sequences:**

MGSSHHHHHHSSGLVPRGSHMGSHMIIYPNDLAKKMTKCSKSHLPSQGPVIIDCRPFMEYNKSHIQGAVHINCADK  
ISRRRLQQGKITVLDLISCREGKDSFKRIFSKEIIVYDENTNEPSRVMP SQPLHIVLES LKREGKEPLVLKGG LSSFKQ  
NHENLCDNSLQLQECREVG GASAASSLLPQPIPTTPDIENAELTPILPFLFLGNEQDAQDLDTMQRLNIGYVINVTT  
HLPLYHYEKGLFN YKRLPATDSNKQNL RQYFEEAFEFIEEAHQCGKGLLIHCQAGVSR SATIVIA YLMKHTRMTMTD  
AYKFVKGKRPIISP NLNFMGQLLEFEEDLNNGVTPRILTPKLMGVETVV

**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.