

32-2292: DUSP21 Recombinant Protein

Alternative Name : Dual specificity phosphatase 21, Low molecular weight dual specificity phosphatase 21, LMW-DSP21, BJ-HCC-26 tumor antigen, EC 3.1.3.16, EC 3.1.3.48.

Description

Source : E.coli. DUSP21 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 214 amino acids (1-190) and having a molecular mass of 24.1kDa. DUSP21 is fused to a 24 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques. DUSP21 is a member of the protein-tyrosine phosphatase family. DUSPs inactivate their target kinases by dephosphorylating both the phosphoserine/threonine and phosphotyrosine residues. DUSP21 is able to dephosphorylate single and diphosphorylated synthetic MAPK peptides, favoring the phosphotyrosine and diphosphorylated forms over phosphothreonine. DUSP21 is only expressed in testis where there are dephosphorylated phosphotyrosine residues in MAPK peptides.

Product Info

Amount : 10 µg
Purification : Greater than 90% as determined by SDS-PAGE.
Content : The DUSP21 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 20% glycerol.
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 SSGLVPRGSH MGSMTASAS SFSSSQGVQQ PSYFSFSQIT RSLFLSNGVA ANDKLLSSN RITAIVNASV EVNVFFEGI QYIKVPVTD RDSRLYDFFD PIADLIHTID MRQGRLLHC MAGVSRASL CLAYLMKYHS MSLLDAHTWT KSRRPIIRPN NGFWEQLINY EFKLFNNNTV RMINSVPVGN PDIYEKDLRM MISM

