

DUSP21 Human

Description: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.

Catalog #:ENPS-246

For research use only.

Synonyms: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.

Source:E.coli.

Physical Appearance:Sterile Filtered colorless solution.

Amino Acid Sequence:MGSSHHHHHH SSGLVPRGSH MGSMTASAS SFSSSQGVQQ
PSIYSFSQIT RSLFLSNGVA ANDKLLSSN RITAIVNASV EVNVFFEGI QYIKVPVTDA
RDSRLYDFFD PIADLIHTID MRQGRLLHC MAGVSRASL CLAYLMKYHS MSLDAHTWT
KSRRPPIRPN NGFWEQLINY EFKLFNNNTV RMINSVPGNI PDIYEKDLRM MISM

Purity:Greater than 90% as determined by SDS-PAGE.

Formulation:

The DUSP21 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 200mM NaCl, 2mM DTT and 20% glycerol.

Stability:

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.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

Introduction:

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.

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