

Bioactive

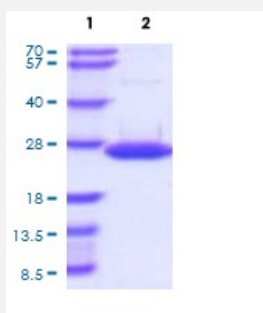
Full-Length

DUSP18 (Human) Recombinant Protein

Catalog # P8012

Size 100 ug

Applications



Specification

Product Description

Human DUSP18 (Q8NEJ0, 1 a.a. - 188 a.a.) full length recombinant protein with His tag expressed in *Escherichia coli*.

Sequence

MTAPSCAFPVQFRQPSVSGLSQITKSLYISNGVAANNKMLSSNQITMVINVSVEVVNTLYEDIQYM
QVPVADSPNSRLCDFDPIADHIHSVEMKQGRDLLHCAAGVSRSAALCLAYLMKYHAMSLLDAHT
WTKSCRPIIRPNSGFWEQLIHYEFQLFGKNTVHMOVSSPVGMIPDIYEKEVRLMIPL

Host

Escherichia coli

Theoretical MW (kDa)

23.6

Form

Liquid

Preparation Method

Escherichia coli expression system

Purity

> 95% by SDS-PAGE

Activity

Specific activity is > 300 unit/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.

Quality Control Testing

3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.

Storage Buffer

In 20mM Tris-HCl pH 8.0 (40% glycerol, 1 mM EDTA, 1 mM DTT, 0.1 mM PMSF)

Storage Instruction

Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C.
Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — DUSP18

Entrez GeneID [150290](#)

Protein Accession# [Q8NEJ0](#)

Gene Name DUSP18

Gene Alias DSP18, DUSP20, LMWDSP20, MGC32658, bK963H5.1

Gene Description dual specificity phosphatase 18

Omim ID [611446](#)

Gene Ontology [Hyperlink](#)

Gene Summary DUSP18 is a member of the dual-specificity phosphatase (DSP) family (see DUSP1; MIM 600714), which catalyzes dephosphorylation of phosphotyrosine and phosphothreonine residues (Hood et al., 2002 [PubMed 12408986]).[supplied by OMIM]

Other Designations low molecular weight dual specificity phosphatase 20