

Datasheet for ABIN6388006

DUSP18 Protein (AA 1-188) (His tag)[Go to Product page](#)**1** Image

Overview

Quantity:	100 µg
Target:	DUSP18
Protein Characteristics:	AA 1-188
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Biological Activity:	Active
Purification tag / Conjugate:	This DUSP18 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

Product Details

Sequence:	MGSSHHHHHH SSGLVPRGSH MGSMTAPSC AFPVQFRQPS VSGLSQITKS LYISNGVAAN NKLMLSSNQI TMVINVSVEV VNTLYEDIQY MQVPVADSPN SRLCDDFDPI ADHIHSVEMK QGRTLLHCAA GVSRSAAALCL AYLMKYHAMS LLDAAHTWTKS CRPIIRPNSG FWEQLIHVEF QLFGKNTVHM VSSPVGMIPD IYEKEVRLMI PL
Purity:	> 95 % by SDS - PAGE
Biological Activity Comment:	Specific activity is > 300 units/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 37C

Target Details

Target:	DUSP18
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Target Details

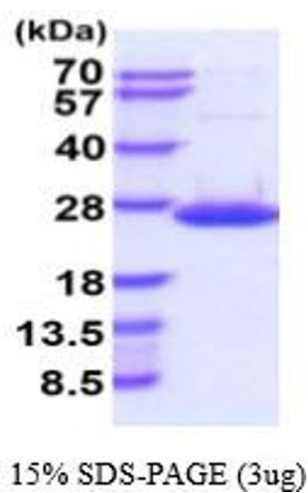
Alternative Name:	DUSP18 (DUSP18 Products)
Background:	Dual specificity phosphatase 18, also known as DUSP18, is a member of the dual-specificity phosphatase (DSP) family, which catalyzes dephosphorylation of phosphotyrosine and phosphothreonine residues. DUSP18 is inhibited by iodoarectic acid and is activated by manganese ions. Along with having preferential enzymatic activity against phosphorylated tyrosine residues over threonine residues, DUSP18 also dephosphorylates p-nitrophenyl phosphate (pNPP) in vitro. This protein is widely expressed with highest levels in liver, brain, ovary and testis. Recombinant human DUSP18 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.
Molecular Weight:	23.6 kDa (212aa) confirmed by MALDI-TOF
NCBI Accession:	NP_689724
UniProt:	Q8NEJ0

Application Details

Application Notes:	Optimal working dilution should be determined by the investigator.
Comment:	Bioactivity Validated
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.5 mg/mL
Buffer:	Liquid. In 20 mM Tris-HCl buffer (pH 8.0) containing 1 mM DTT, 40 % glycerol, 0.1 mM PMSF, 1 mM EDTA
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.



SDS-PAGE
Image 1.