

Datasheet for ABIN668018

## DUSP10 Protein (AA 149-482) (His tag)



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#### Overview

Quantity:	100 µg
Target:	DUSP10
Protein Characteristics:	AA 149-482
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSP10 protein is labelled with His tag.
Application:	SDS-PAGE (SDS)

#### Product Details

Characteristics:	DUSP10, 149-482aa, Human, His tag, E.coli
Purity:	> 90 % by SDS - PAGE

#### Target Details

Target:	DUSP10
Alternative Name:	DUSP10 ( <a href="#">DUSP10 Products</a> )
Background:	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. DUSP10 has been shown to interact

Target Details

with MAPK14 and MAPK8. When expressed in mammalian cells, DUSP10 blocks the enzymatic activation of MAP kinases with the selectivity p38 approximately JNK/SAPK >> ERK.

Recombinant human DUSP10 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. Synonyms: Dual specificity protein phosphatase 10, MKP-5, MKP5. NCBI no.: NP\_009138

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

Application Details

Restrictions: For Research Use only

Handling

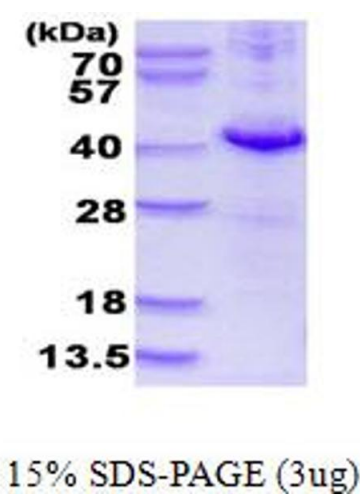
Format: Liquid

Concentration: 0.25mg/ml (determined by Bradford assay)

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

Storage: 4 °C

Images



SDS-PAGE

Image 1.