Datasheet for ABIN668018

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

1 Image

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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 (DUSP10 Products)
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

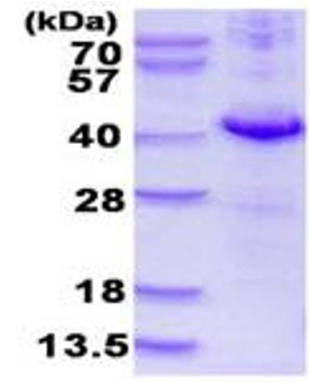
Application Details

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



15% SDS-PAGE (3ug)

SDS-PAGE

Image 1.