



[Go to Product page](#)

Datasheet for ABIN7317376

DUSP14 Protein (His tag,MBP tag)

Overview

Quantity:	100 µg
Target:	DUSP14
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This DUSP14 protein is labelled with His tag,MBP tag.

Product Details

Purpose:	Recombinant Human DUSP14/MKP-6 Protein (His & MBP Tag)
Sequence:	Met 1 -His 191
Characteristics:	A DNA sequence encoding the human DUSP14 (095147) (Met 1 -His 191) was fused with an N-terminal polyhistidine-tagged MBP tag at the N-terminus.
Purity:	> 88 % as determined by reducing SDS-PAGE.

Target Details

Target:	DUSP14
Alternative Name:	DUSP14/MKP-6 (DUSP14 Products)
Background:	Background: Dual specific phosphatase 14 / MAP-kinase phosphatase-6 (DUSP14 / MKP6) is a member of Dual-specificity phosphatases that is a subclass of protein tyrosine phosphatases (PTP) families that can dephosphorylate both phosphotyrosine and phosphoserine / phosphothreonine residues in substrates. Unlike many other DUSPs, DUSP14 only contains a

Target Details

catalytic domain within the C-terminal region. In signal transduction, DUSP14 has been considered as negative regulator of the mitogen-activated protein kinase (MAPK) / extracellular signal-regulated kinase 1 / 2 (ERK 1 / 2) pathway. DUSP14 phosphatase activity has been confirmed to be inhibited by PTP inhibitor IV. PTP inhibitor binds to the catalytic site of DUSP14. PTP inhibitor IV effectively and specifically inhibited DUSP14-mediated dephosphorylation of JNK, a member of the mitogen-activated protein kinase (MAPK) family through dephosphorylation of both the Ser / Thr and Tyr residues of MAPKs.

Synonym: MKP-L;MKP6

Molecular Weight: 65 kDa

UniProt: [O95147](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from sterile PBS, pH 7.5

Storage: 4 °C,-20 °C,-80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.