

Recombinant human DUSP26 protein

Catalog Number: ATGP2324

PRODUCT INFORMATION

Expression system

E.coli

Domain

1-211aa

UniProt No.

Q9BV47

NCBI Accession No.

NP_076930

Alternative Names

Dual specificity protein phosphatase 26, Dual specificity phosphatase SKRP3, Low-molecular-mass dual-specificity phosphatase 4, DSP-4, LDP-4, Mitogen-activated protein kinase phosphatase 8, MAP kinase phosphatase 8, MKP-8, Novel amplified gene in thyroid anaplastic cancer, Neuroendocrine-associated phosphatase, DUSP24, LDP4, MKP8, NATA1, SKRP3, NEAP

PRODUCT SPECIFICATION

Molecular Weight

26.3 kDa (234aa)

Concentration

0.25mg/ml (determined by Bradford assay)

Formulation

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M urea

Purity

> 85% by SDS-PAGE

Tag

His-Tag

Application

SDS-PAGE, Denatured

Storage Condition

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

BACKGROUND

Description

DuSP26 inactivates MAPK1 and MAPK3 which leads to dephosphorylation of heat shock factor protein 4 and a reduction in its DNA-binding activity. This protein inhibits MAP kinase p38 by dephosphorylating it and inhibits p38-mediated apoptosis in anaplastic thyroid cancer cells. DuSP26 can also induce activation of MAP kinase p38

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and c-Jun N-terminal kinase (JNK). Recombinant human DuSP26 protein, fused to His-tag at N-terminus, was expressed in *E. coli*.

Amino acid Sequence

MGSSHHHHHH SGLVPRGSH MGSMCPGNWL WASMTFMARF SRSSSRSPVR TRGTLEEMPT VQHPFLNVFE
LERLLYTGKT ACNHADEVWP GLYLGQDMA NNRRELRLG ITHVLNASHS RWRGTPEAYE GLGIRYLGVE AHDSPAFDMS
IHFQTAADFI HRALSQPGGK ILVHCAVGVS RSATLVLAYL MLYHHLTLVE AIKKVKDHRG IIPNRGFLRQ LLALDRRLRQ GLEA

General References

Vasudevan S.A., et al. (2005). *Biochem. Biophys. Res. Commun.* 330:511-518

Yu W., et al. (2007). *Oncogene* 26:1178-1187

DATA

SDS-PAGE



3 μ g by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

15% SDS-PAGE (3 μ g)