

AR51148PU-S

Human DUSP26 (1-211, His-tag) - Purified

Alternate names:

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

Quantity:

0.1 mg

Concentration:

0.25 mg/ml (determined by Bradford assay)

Background:

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 and c-Jun N-terminal kinase (JNK).

Uniprot ID:

[Q9BV47](#)

NCBI:

[NP_076930](#)

GenelD:

[78986](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >85% by SDS - PAGE

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 0.4M Urea

Description:

Recombinant human DUSP26 protein, fused to His-tag at N-terminus, was expressed in E.coli .

AA Sequence:

MGSSHHHHH SSGLVPRGSH MGSMCPGNWL WASMTFMARF SRSSSRSPVR TRGTLEEMPT
VQHPFLNVFE LERLLYTGKT ACNHADEVWP GLYLGQDMA NNRRELRLRG ITHVLNASHS
RWRGTPEAYE GLGIRYLGVE AHDSPAFDMS IHFQTAADFI HRALSQPGGK ILVHCAVGVS
RSATLVLAYL MLYHHLTLVE AIKKVKDHRG IIPNRGFLRQ LLALDRRLRQ GLEA

Molecular weight: 26.3 kDa (234aa)

Storage:

Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.

General Readings:

Vasudevan S.A.. et al. (2005). Biochem. Biophys. Res. Commun. 330:511-518 Yu W., et al. (2007). Oncogene 26:1178-1187

Pictures:

