
Product Data Sheet

Product Name: DUSP26 Human
 Cat. No.: GP21585
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	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; DUSP26; DUSP24; LDP4; MKP8; NATA1; SKRP3; Dual specificity phosphatase 26 (putative).		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMCPGNWL WASMTFMARF SRSSSRSPVR TRGTLEEMPT VQHPFLNVFE LERLLYTGKT ACNHADEVWP GLYLGDQDMA NNRRELRRLLG ITHVLNASHS RWRGTPEAYE GLGIRYLGVE AHDSPAFDMS IHFQTAADFI HRALSQPGGK ILVHCAVGVS RSATLVLAYL MLYHHLTLVE AIKKVKDHRG IIPNRGFLRQ LLALDRRLRQ GLEA.		
Formulation	The DUSP26 solution (0.25mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 10% glycerol and 0.4M Urea.		

Introduction

Dual Specificity Phosphatase 26 (DUSP26) inhibits MAP kinase p38 by dephosphorylating it and inhibits p38-mediated apoptosis in anaplastic thyroid cancer cells. DUSP26 also induces activation of MAP kinase p38 and c-Jun N-terminal kinase. DUSP26 inactivates MAPK1 and MAPK3 which leads to dephosphorylation of heat shock factor protein 4 and a decrease in its DNA-binding activity.

Stability

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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Background

DUSP26 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 234 amino acids (1-211a.a) and having a molecular mass of 26.3kDa. DUSP26 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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