
Product Data Sheet

Product Name: DUSP6 Human
 Cat. No.: GP21575
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dual specificity protein phosphatase 6; Dual specificity protein phosphatase PYST1; Mitogen-activated protein kinase phosphatase 3; MAP kinase phosphatase 3; MKP-3; DUSP6; MKP3; PYST1; Dual Specificity Phosphatase 6; Dual specificity phosphatase 6 isoform a.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MIDTLRPVPF ASEMAISKTV AWLNEQLELG NERLLLMDCR PQELYESSHI ESAINVAIPG IMLRRLQKGN LPVRALFTRG EDRDRFTRRC GTDVTVLYDE SSSDWNENTG GESVLGLLLK KLKDEGCRAF YLEGGFSKFQ AEFSLHCETN LDGSCSSSSP PLPVLGLGGL RISSDSSSDI ESDLDRDPNS ATSDSGSPLS NSQPSFPVEI LPFLYLGCAK DSTNLDVLEE FGIKYILNVT PNLPNLFENA GEFKYKQIPI SDHWSQNLSQ FFPEAISFID EARGKNCGLV VHCLAGISRS VTVTVAYLMQ KLNLSMNDAY DIVKMKKSNI SPNFNFMGQL LDFERTLGLS SPCDNRVPAQ QLYFTTPSNQ NVYQVDSLQS T.		
Formulation	DUSP6 protein solution (0.25mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.15M NaCl, 10% glycerol and 1mM DTT.		

Introduction

Dual Specificity Phosphatase 6, also known as DUSP6 belongs to the dual specificity protein phosphatase subfamily. DUSP6 is a Protein coding gene which inactivates MAP kinases. Various members of the family of dual specificity phosphatases show diverse tissue distribution, subcellular localization, and different modes of inducibility of their expression by extracellular stimuli.

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%

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

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HSA or BSA). Avoid multiple freeze-thaw cycles.

Background

DUSP6 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 401 amino acids (1-381 a.a) and having a molecular mass of 44.4kDa. DUSP6 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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