
Product Data Sheet

Product Name: DUSP22 Human
 Cat. No.: GP21582
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dual specificity protein phosphatase 22; DUSP22; JNK-stimulatory phosphatase-1; JSP-1; Low molecular weight dual specificity phosphatase 2; LMW-DSP2; Mitogen-activated protein kinase phosphatase x; MAP kinase phosphatase x; MKP-x; LMWDSP2; MKPX; JKAP; JSP1; LMWDSP2; MKPX; VHX.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MGSMGNGMNK ILPGLYIGNF KDARDAEQLS KNKVTHILSV HDSARPMLEG VKYLCIPAAD SPSQNLTRHF KESIKFIHEC RLRGESCLVH CLAGVSRSVT LVIAYIMTVT DFGWEDALHT VRAGRSCANP NVGFQRQLQE FEKHEVHQYR QWLKEEYGES PLQDAEEAKN ILAAPGILKF WAFLRRL.		
Formulation	DUSP22 protein solution (0.5mg/ml) contains 20mM Tris-HCl buffer (pH 8.0), 0.4M Urea and 10% glycerol.		

Introduction

Dual Specificity Phosphatase 22, also known as DUSP22, is a part of the protein-tyrosine phosphatase family which holds 1 tyrosine-protein phosphatase domain. DUSP22 activates the Jnk signaling pathway and dephosphorylates and deactivates p38 and stress-activated protein kinase/c-Jun N-terminal kinase (SAPK/JNK). DUSP22 interacts with MAPK1 and MAPK8.

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.

Background

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

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DUSP22 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 207 amino acids (1-184 a.a.) and having a molecular mass of 23.3kDa. DUSP22 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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