
Product Data Sheet

Product Name: DUSP23 Human, Active
 Cat. No.: GP21584
 Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Dual specificity protein phosphatase 23; Low molecular mass dual specificity phosphatase 3; LDP-3; VH1-like phosphatase Z; DUSP23; LDP3; VHZ; VH1-Like Member Z; EC 3.1.3.16; EC 3.1.3.48; DUSP25; MOSP; LDP3; Dual Specificity Phosphatase 23; VH1-Like Phosphatase Z; LDP-3; VHZ; Low-Molecular-Mass Dual-Specificity Phosphatase 3; Low Molecular Mass Dual Specificity Phosphatase 3; Dual Specificity Protein; Phosphatase 23; Testicular Tissue Protein Li 59.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MG VQPPNFSW VLPGRLAGLA LPRLPAHYQF LLDLGVRLHV SLTERGPPHS DSCPGLTLHR LRIPDFCPPA PDQIDRFVQI VDEANARGEA VGVHICALGFG RTGTMLACYL VKERGLAAGD AIAEIRRLRP GSIETYEQEK AVFQFYQRTK.		
Formulation	DUSP23 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl.		

Introduction

DUSP23 is a member of the protein-tyrosine phosphatase family. DUSP23 is a protein phosphatase which facilitates dephosphorylation of phosphorylated proteins on Tyr and Ser/Thr residues. In vitro, DUSP23 dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10). In addition, DUSP23 enhances activation of JNK and p38(MAPK14).

Biological Activity

Specific activity is > 200 units/mg, and is defined as the amount of enzyme that hydrolyzes 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37°C.

Stability

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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

Product Data Sheet

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

DUSP23 Human Recombinant produced in E.coli is a single, non-glycosylated polypeptide chain containing 170 amino acids (1-150 a.a) and having a molecular mass of 18.8kDa. DUSP23 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

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