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## Product Data Sheet

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Product Name: DUSP23 Human  
 Cat. No.: GP21583  
 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; DUSP25; Low molecular mass dual specificity phosphatase 3; LDP-3; VHZ; VH1-like phosphatase Z; MOSP; RP11-190A12.1; FLJ20442; EC 3.1.3.16; EC 3.1.3.48.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MG VQPPNFSW VLPGRLAGLA LPRLPAHYQF LLDLGV RHLV SLTERGPPHS DSCPGLTLHR LRIPDFCPPA PDQIDRFVQI VDEANARGEA VGVHICALGFG RTGTMLACYL VKERGLAAGD AIAEIRRLRP GSIETYEQEK AVFQFYQRTK		
Formulation	DUSP23 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH8.0), 100mM NaCl, 2mM DTT, and 10% glycerol.		

### 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).

### 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

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.**

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