Datasheet for ABIN6388007

# DUSP23 Protein (AA 1-150) (His tag)

Go to Product page

## 1 Image

## Overview

| | |
|---|---|
| Quantity: | 50 µg |
| Target: | DUSP23 |
| Protein Characteristics: | AA 1-150 |
| Origin: | Human |
| Source: | Escherichia coli (E. coli) |
| Protein Type: | Recombinant |
| Biological Activity: | Active |
| Purification tag / Conjugate: | This DUSP23 protein is labelled with His tag. |
| Application: | SDS-PAGE (SDS) |

## Product Details

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|---|---|
| Sequence: | MGSSHHHHHH SSGLVPRGSH MGVQPPNFSW VLPGRLAGLA LPRLPAHYQF LLDLGVRHLV SLTERGPPHS DSCPGLTLHR LRIPDFCPPA PDQIDRFVQI VDEANARGEA VGVHCALGFG RTGTMLACYL VKERGLAAGD AIAEIRRLRP GSIETYEQEK AVFQFYQRTK |
| Purity: | > 90 % by SDS - PAGE |
| Biological Activity Comment: | Specific activity is > 200 units/mg, and is defined as the amount of enzyme that hydrolyze 1.0 nmole of p-nitrophenyl phosphate (pNPP) per minute at pH 7.5 at 37C. |

## Target Details

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|---|---|
| Target: | DUSP23 |
| Alternative Name: | DUSP23 (DUSP23 Products) |

## Target Details

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| Background: | DUSP23, also known as low molecular mass dual specificity phosphatase 3(LDP-3), belongs to the protein-tyrosine phosphatase family. This protein is a protein phosphatase that mediates dephosphorylation of proteins phosphorylated on Tyr and Ser/Thr residues. In vitro, it can dephosphorylate p44-ERK1 (MAPK3) but not p54 SAPK-beta (MAPK10) in vitro. This protein able to enhance activation of JNK and p38(MAPK14). Recombinant human DUSP23 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques. |
| Molecular Weight: | 18.8kDa (170aa), confirmed by MALDI-TOF |
| NCBI Accession: | NP_060293 |
| UniProt: | Q9BVJ7 |

## Application Details

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| Application Notes: | Optimal working dilution should be determined by the investigator. |
| Comment: | Bioactivity Validated |
| Restrictions: | For Research Use only |

## Handling

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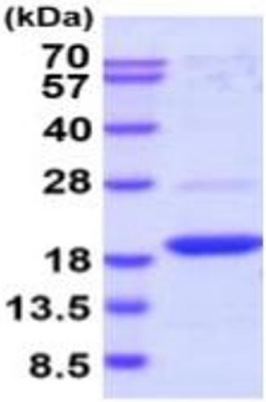
| Format: | Liquid |
| Concentration: | 1 mg/mL |
| Buffer: | Liquid. In 20 mM Tris-HCl buffer ( pH 8.0) containing 2 mM DTT, 10 % glycerol, 100 mM NaCl |
| Storage: | 4 °C,-20 °C,-80 °C |
| Storage Comment: | Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles. |




15% SDS-PAGE (3ug)

**SDS-PAGE**

**Image 1.**