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# 32-6732: DUSP23 Human, Active

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| **Application :** | Functional Assay |
| **Alternative Name :** | 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. |

## Description

Source: Escherichia Coli.
Sterile Filtered clear solution.
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).
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.

## Product Info

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| **Amount :** | 2 µg / 10 µg |
| **Purification :** | Greater than 90% as determined by SDS-PAGE. |
| **Content :** | DUSP23 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 2mM DTT, 10% glycerol and 100mM NaCl. |
| **Storage condition :** | 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. |
| **Amino Acid :** | MGSSHHHHHH SSGLVPRGSH MGVQPPNFSW VLPGRLAGLA LPRLPAHYQF LLDLGVRHLV SLTERGPPHS DSCPGLTLHR LRIPDFCPPA PDQIDRFVQI VDEANARGEA VGVHCALGFG RTGTMLACYL VKERGLAAGD AIAEIRRLRP GSIETYEQEK AVFQFYQRTK. |

## Application Note

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 37Ã‚Â°C.

***For Research Use Only. Not for use in diagnostic/therapeutics procedures.***