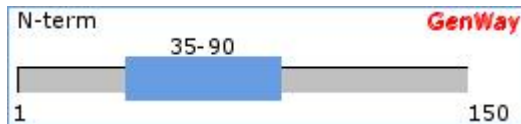


## Dual specificity protein phosphatase 23, Antibody

EC 3.1.3.48, EC 3.1.3.16, Low-molecular-mass dual-specificity phosphatase 3, LDP-3, VH1-like ph



<b>Catalog Number:</b> 15-288-21550	
SwissProt Accession #: Q9BVJ7	DUS23_HUMAN
NCBI Accession #: NP_060293.1	GI #: 8923413
Immunogen Sequence Position: 35-90	Length (aa): 150
Mol. Weight (Da): 16588	



Linear Protein Map with Immunogenic Epitope Marked (sequence source from above GI#)

**Source:** Chicken

**Purity:** Immunoaffinity Purified

**Clonality:** Polyclonal

**Crossreactivity:** Human

**Format:** Phosphate-Buffered Saline. No preservatives added.

**Storage:** 4°C for short term (weeks) and -20°C for long term. Avoid frequent freeze and thaw.

**Stability:** 6-12 months at -20°C.

**Shipping:** Products may be shipped on ice pack.

**Precautions:** This product is for *in vitro* research use only. Not for use in diagnostic or therapeutic procedures.

**Important Notes:** During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 µL or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.

APPLICATIONS:	
Western Blot	Tested
ELISA, ICC, IHC	Not Tested

**TESTING:** (secondary reagents and protocols)

Not Available

### TARGET DESCRIPTION:

**FUNCTION:** 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. Able to enhance activation of JNK and p38 (MAPK14).

**CATALYTIC ACTIVITY:** A phosphoprotein + H<sub>2</sub>O = a protein + phosphate.

**SIMILARITY:** Contains 1 tyrosine-protein phosphatase domain.

**SUBCELLULAR LOCATION:** Mainly cytoplasmic; cytosol. Also nuclear.

OMIM: N/A

### CATEGORIES RELATED TO TARGET PROTEIN:

**TISSUES:** Nuclear Chromosome, Testis, Cytoplasm, Chromosomes, Sperm, Gonad, Gamete, Nucleus, Acrosome, Reticulocytes, Transcription Factor Complex, Blood Cells, Hematopoietic Stem Cells, Erythroid Cells, Erythrocyte, Cytoskeleton, Microtubules, Cell Surface, Lysosome, Spermatid

more... Tumor Cells, Ribosome, Chromatin, Actin Cytoskeleton, Centromeres, Seminal Plasma, Plasma Membrane, Spindle, Semen, Prostate, Spermatocyte, Spleen, Uterus, Oocyte, Ovary, Golgi Apparatus, Extracellular Matrix, Intracellular

**PROTEIN FUNCTIONS:** Microtubule Proteins, Phosphatidylinositolg Signaling System, Acid Anhydride Hydrolases, Muscle Proteins, Microfilament Proteins, Cell Division, Serum Globulins, Phosphotransferases, Antigens, Surface, Immunoglobulins, Hypothalamic Hormones, Luciferases, Ribosome, Glutamate Metabolism, Esterases, Ligases, Peptide Hydrolases, Tumor Suppressor Proteins, Sulfur Metabolism, Viral Regulatory Proteins

more... Interphase, Cysteine Metabolism, Blood Coagulation Factors, Gtp-Binding Proteins, Glycosyltransferases

**DISEASES:** Fungi, Escherichia Coli, Pregnancy, Metabolic Diseases, Hemochromatosis, Retinopathy, Neoplasm, Benign Tumor, Birth Defects, Eye Diseases

### BACKGROUND REFERENCES:

[1] Strausberg,R.L., et al. Generation and initial analysis of more ...

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