Protein Tyrosine Phosphatase Type IVA 3 (PTPIVA3) ELISA Kit for Goose

PRODUCT OVERVIEW

Product Name	Protein Tyrosine Phosphatase Type IVA 3 (PTPIVA3), ELISA Kit
Full Product Name	Goose Protein Tyrosine Phosphatase Type IVA 3 ELISA Kit
Product Gene Name	PTPIVA3 elisa kit
Species Reactivity	Goose
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	19,652 Da
3D Structure	ModBase 3D Structure for Q9D658
Related Product Information for PTPIVA3 elisa kit	MBS091237 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Protein Tyrosine Phosphatase Type IVA 3 (PTPIVA3) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PTPIVA3. The ELISA analytical biochemical technique of the MBS091237 kit is based on PTPIVA3 antibody-PTPIVA3 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PTPIVA3 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PTPIVA3. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PTPIVA3 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PTPIVA3. It may not necessarily be applicable to this product.

NCBI GI #	261862267
NCBI GeneID	19245
NCBI Accession #	NP_001159861.1
UniProt Primary Accession #	Q9D658
UniProt Secondary Accession #	O70275; Q3T9Z5; Q9CTC8
UniProt Related Accession #	Q9D658
GenBank Nucleotide #	NM_001166389.1
NCBI Official Full Name	protein tyrosine phosphatase type IVA 3 isoform 1
NCBI Official Synonym Full Names	protein tyrosine phosphatase 4a3
NCBI Official Symbol	Ptp4a3
NCBI Official Synonym Symbols	Prl-3; pPtp4a3; AV088979
UniProt Protein Name	Protein tyrosine phosphatase type IVA 3
UniProt Synonym Protein Names	Protein-tyrosine phosphatase 4a3; Protein-tyrosine phosphatase of regenerating liver 3
Protein Family	Protein tyrosine phosphatase

UniProt Gene Name	Ptp4a3
UniProt Synonym Gene Names	Prl3; PRL-3
UniProt Entry Name	TP4A3_MOUSE
NCBI Protein Information	protein tyrosine phosphatase type IVA 3; protein-tyrosine phosphatase 4a3; protein-tyrosine phosphatase of regenerating liver 3
UniProt Comments for PTPIVA3	PTP4A3: Protein tyrosine phosphatase which stimulates progression from G1 into S phase during mitosis. Enhances cell proliferation, cell motility and invasive activity, and promotes cancer metastasis. May be involved in the progression of cardiac hypertrophy by inhibiting intracellular calcium mobilization in response to angiotensin II. Belongs to the protein-tyrosine phosphatase family. 3 isoforms of the human protein are produced by alternative splicing. Protein type: EC 3.1.3.48; Motility/polarity/chemotaxis; Protein phosphatase, tyrosine (non-receptor) Cellular Component: membrane; plasma membrane; endosome Molecular Function: hydrolase activity; phosphoric monoester hydrolase activity; protein tyrosine phosphatase activity; phosphoprotein phosphatase activity Biological Process: dephosphorylation; endothelial cell migration; protein amino acid dephosphorylation; positive regulation of vascular permeability
Research Articles on PTPIVA3	**1.** These findings strongly support a role for PTP4A3 as an important contributor to endothelial cell function and as a multimodal target for cancer therapy and mitigating VEGF-regulated angiogenesis.
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