Proline Rich Protein 4, Lacrimal (PRR4) ELISA Kit for Pigeon

PRODUCT OVERVIEW

Product Name	Proline Rich Protein 4, Lacrimal (PRR4), ELISA Kit
Full Product Name	Pigeon Proline Rich Protein 4, Lacrimal ELISA Kit
Product Gene Name	PRR4 elisa kit
Species Reactivity	Pigeon
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	15,097 Da
OMIM	605359
3D Structure	ModBase 3D Structure for Q16378
Related Product Information for PRR4 elisa kit	MBS076646 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Proline Rich Protein 4, Lacrimal (PRR4) 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 PRR4. The ELISA analytical biochemical technique of the MBS076646 kit is based on PRR4 antibody-PRR4 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PRR4 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PRR4. 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 PRR4 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 PRR4. It may not necessarily be applicable to this product.

NCBI GI #	154448886
NCBI GeneID	11272
NCBI Accession #	NP_009175.2
UniProt Primary Accession #	Q16378
UniProt Secondary Accession #	Q8NFB3; A8KA69; F5H0D7
UniProt Related Accession #	Q16378
GenBank Nucleotide #	NM_007244.2
NCBI Official Full Name	proline-rich protein 4 isoform 2
NCBI Official Synonym Full Names	proline rich 4 (lacrimal)
NCBI Official Symbol	PRR4
NCBI Official Synonym Symbols	LPRP; PROL4
UniProt Protein Name	Proline-rich protein 4
UniProt Synonym Protein Names	Lacrimal proline-rich protein; Nasopharyngeal carcinoma-associated proline-rich protein 4
UniProt Gene Name	PRR4

UniProt Synonym Gene Names	LPRP; PROL4
UniProt Entry Name	PROL4_HUMAN
NCBI Protein Information	proline-rich protein 4; proline-rich polypeptide 4; lacrimal proline-rich protein; nasopharyngeal carcinoma-associated proline-rich protein 4
NCBI Summary for PRR4	This gene encodes a member of the proline-rich protein family that lacks a conserved repetitive domain. This protein may play a role in protective functions in the eye. Alternative splicing result in multiple transcript variants. Read-through transcription also exists between this gene and the upstream PRH1 (proline-rich protein HaeIII subfamily 1) gene. [provided by RefSeq, Feb 2011]
UniProt Comments for PRR4	PRR4: 2 isoforms of the human protein are produced by alternative splicing Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 12p13 Cellular Component: extracellular space Biological Process: retinal homeostasis; visual perception
Research Articles on PRR4	**1.** Lacrimal proline rich 4 (LPRR4) protein in the tear fluid is a potential biomarker of dry eye syndrome.
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