CUB and Zona Pellucida Like Domains Protein 1 (CUZD1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	CUB And Zona Pellucida Like Domains Protein 1 (CUZD1), ELISA Kit
Full Product Name	Human CUB And Zona Pellucida Like Domains Protein 1 (CUZD1) ELISA Kit
Product Gene Name	CUZD1 elisa kit
Product Synonym Names	Lithostathine-1-beta,Pancreatic stone protein 2,PSP-2,PSPS2,REG1B,REG-1-beta,Regenerating islet-derived protein 1-beta,Regenerating protein I beta,REGL
Species Reactivity	Human
Assay Type	Sandwich
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Detection Range	0.312-20ng/mL
Sensitivity	0.114ng/mL
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.
Molecular Weight	27,486 Da
OMIM	AY260047 mRNA
3D Structure	ModBase 3D Structure for Q86UP6
Intra Assay	CV<10%
Inter Assay	CV<12%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CUZD1 elisa kit	MBS451024 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the CUB And Zona Pellucida Like Domains Protein 1 (CUZD1) 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 CUZD1. The ELISA analytical biochemical technique of the MBS451024 kit is based on CUZD1 antibody-CUZD1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CUZD1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CUZD1. 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 CUZD1 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 CUZD1. It may not necessarily be applicable to this product.

NCBI GI #	30520377
NCBI GeneID	50624
NCBI Accession #	NP_071317.2
UniProt Primary Accession #	Q86UP6

UniProt Secondary Accession #	Q7Z660; Q7Z661; Q86SG1; Q86UP5; Q9HAR7; A8K080; B2RN93; D3DRE5
UniProt Related Accession #	Q86UP6
GenBank Nucleotide #	NM_022034.5
NCBI Official Full Name	CUB and zona pellucida-like domain-containing protein 1
NCBI Official Synonym Full Names	CUB and zona pellucida like domains 1
NCBI Official Symbol	CUZD1
NCBI Official Synonym Symbols	ERG1; ERG-1; UO-44; ITMAP1
UniProt Protein Name	CUB and zona pellucida-like domain-containing protein 1
UniProt Synonym Protein Names	Transmembrane protein UO-44
Protein Family	CUB and zona pellucida-like domain-containing protein
UniProt Gene Name	CUZD1
UniProt Synonym Gene Names	CUB and ZP domain-containing protein 1
NCBI Protein Information	CUB and zona pellucida-like domain-containing protein 1
UniProt Comments for CUZD1	CUZD1 antiserum inhibits cell attachment and proliferation of ovarian cancer cells so may be involved in these processes. May also play a role in the uterus during late pregnancy and/or in trypsin activation in pancreatic acinar cells.
Research Articles on CUZD1	**1.** Totals of 12.4% and 20.8% of Crohn's disease patients were positive for IgA/IgG type of anti-GP2 and anti-CUZD1, respectively. Positivity for anti-pancreatic autoantibodies predicted a faster progression towards complicated disease course.
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