Cingulin (CGN) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cingulin (CGN), ELISA Kit
Full Product Name	Human Cingulin (CGN) ELISA Kit
Product Gene Name	CGN elisa kit
Species Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	87,047 Da
OMIM	609473
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
Product Categories/Family for CGN elisa kit	Signal Transduction
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for CGN elisa kit	MBS7245631 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cingulin (CGN) 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 CGN. The ELISA analytical biochemical technique of the MBS7245631 kit is based on CGN antibody-CGN antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CGN antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CGN. 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 CGN 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 CGN. It may not necessarily be applicable to this product.

NCBI GI #	16262452
NCBI GeneID	57530
NCBI Accession #	NP_065821.1
UniProt Secondary Accession #	Q5T386; Q9NR25; A6H8L3; A7MD22
UniProt Related Accession #	Q9P2M7
GenBank Nucleotide #	NM_020770.2
NCBI Official Full Name	cingulin
NCBI Official Synonym Full Names	cingulin
NCBI Official Symbol	CGN

UniProt Protein Name	Cingulin
Protein Family	Cingulin
UniProt Gene Name	CGN
UniProt Synonym Gene Names	KIAA1319
UniProt Entry Name	CING_HUMAN
NCBI Protein Information	cingulin
UniProt Comments for CGN	CGN: Probably plays a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. Belongs to the cingulin family. 2 isoforms of the human protein are produced by alternative splicing. Protein type: Adaptor/scaffold Chromosomal Location of Human Ortholog: 1q21 Cellular Component: tight junction; cell junction; myosin complex Molecular Function: protein binding; microtubule binding; motor activity; actin binding Biological Process: metabolic process; transforming growth factor beta receptor signaling pathway; microtubule cytoskeleton organization and biogenesis
Research Articles on CGN	**1.** Co-imunoprecipitation and confocal microscopy experiments also revealed the tight junction protein cingulin as a new interacting partner of Ubn-1
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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