Occludin (OCLN) Chicken Recombinant Protein

PRODUCT OVERVIEW

Product Name	Occludin (OCLN), Recombinant Protein
Full Product Name	Recombinant Chicken Occludin (OCLN)
Product Gene Name	OCLN recombinant protein
Sequence	MFSKKSYDGP PAGYGPPTGY GAPTADYGYG SPPPGSYYVD DAPQLFYKWT SPPGAVRGLQ AGVLVLCIAI FACVASTLAW DYGYGLGGAY GTGLGGFYGS NYYGSGLSYS YGYGGYYGGV NQRTANGFMI AMAVLCFLAQ LGLLVAALSK SGATRSRRFY LAVLVLSAVL AFVMLIASIV YIMGVNPQAQ MSSGYYYSPL LAMCSQAYGS TYLNQYIYHY CTVDPQEAVA AVCGFLIVIL LCLICFFAQK TRSKIWRYGK ANIYWDRAPV VQEGPDVEEW VKNVADGASV QDETATLAYS EKPTSPVAAP PYSYVPPPSA GYYPSGTYSS RGDQPDRALS ASPVHGEEEE EKGKDQPSRP PARRGRRRRR NPELDESQYE TDYTTAVESS DERDQEQWAS LYPPITSDGA RQRYKQEFDT DLKRYKQLCA EMDSINDRLN QLSRRLDSIT EDSPQYQDVA EEYNQLKDLK RSPDYQSKKQ ESKVLRNKLF HIKRMVSAYD KVRG
Host	Cell Free Expression
Form/Format	Liquid containing glycerol
Purity/Purification	Greater or equal to 85% purity as determined by SDS-PAGE. (lot specific)
Preparation and Storage	Store at -20 degree C, for extended storage, conserve at -20 degree C or -80 degree C. Repeated freezing and thawing is not recommended. Store working aliquots at 4 degree C for up to one week.
Molecular Weight	55,864 Da
Sequence Positions	1-504aa; full length protein
3D Structure	ModBase 3D Structure for Q91049
Species	Chicken
Product Categories/Family for OCLN recombinant protein	Transmembrane Protein
ISO Certification	Manufactured in an ISO 9001:2015 Certified Laboratory.
Application Notes for OCLN recombinant protein	This is a recombinant transmembrane protein expressed in a cell-free expression system.
Related Product Information for OCLN recombinant protein	MBS7024325 is a recombinant protein targeting OCLN. Also known as Recombinant Chicken Occludin (OCLN). Host: Cell Free Expression.
Other Notes	Small volumes of OCLN recombinant protein 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 OCLN. It may not necessarily be applicable to this product.

NCBI GI #	45384098
NCBI GeneID	396026
NCBI Accession #	NP_990459.1
UniProt Primary Accession #	Q91049

UniProt Related Accession #	Q91049
GenBank Nucleotide #	NM_205128.1
NCBI Official Full Name	occludin
NCBI Official Synonym Full Names	occludin
NCBI Official Symbol	OCLN
UniProt Protein Name	Occludin
Protein Family	Occludin
UniProt Gene Name	OCLN
UniProt Entry Name	OCLN_CHICK
NCBI Protein Information	occludin
UniProt Comments for OCLN	occludin: May play a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. Interacts with ZO-1 Protein type: Membrane protein, multi-pass; Membrane protein, integral; Motility/polarity/chemotaxis; Cell adhesion
Research Articles on OCLN	**1.** Dietary Zn supplementation appeared to alleviate the loss of intestinal mucosal barrier function induced by S. Typhimurium challenge and the partial mechanism might be related to the increased expression of occludin and claudin-1 in broiler chickens.
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