

Datasheet for ABIN7550066

## Occludin Protein (OCLN) (AA 1-522) (His tag)



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### Overview

Quantity:	1 mg
Target:	Occludin (OCLN)
Protein Characteristics:	AA 1-522
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This Occludin protein is labelled with His tag.

### Product Details

Purpose:	Custom-made recombinant OCLN Protein expressed in mammalian cells.
Sequence:	<p> MSSRPLESPP PYRPDEFKPN HYAPSNDIYG GEMHVRPMLS QPAYSFYPED EILHFYKWTS  PPGVIRILSM LIIVMCIAIF ACVASTLAWD RGYGTSLLGG SVGYPYGGSG FGSYSGSYGY  GYGYGYGYGG YTDPRAAKGF MLAMAAFCFI AALVIFVTSV IRSEMSRTRR YYLSVIIVSA  ILGIMVFIAT IVYIMGVNPT AQSSGSLYGS QIYALCNQFY TPAATGLYVD QYLYHYCVVD  PQEAIAIVLG FMIIVAFALI IFFAVKTRRK MDRYDKSNIL WDKEHIYDEQ PPNVEEWVKN  VSAGTQDVPS PPSDYVERVD SPMAYSSNGK VNDKRFYPES SYKSTPVPEV VQELPLTSPV  DDFRQPRYSS GGNFETPSKR APAKGRAGRS KRTEQDHYET DYTGGESCD ELEEDWIREY  PPITSDQQRQ LYKRNFD TGL QEYKSLQSEL DEINKELSRL DKELDDYREE SEEYMAAADE  YNRLKQVKGS ADYKSKKNHC KQLKSKLSHI KKMVG DYDRQ KT </p> <p><b>Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.</b></p>

## Product Details

Specificity:	If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.
Characteristics:	<p>Key Benefits:</p> <ul style="list-style-type: none"><li>• Made to order protein - from design to production - by highly experienced protein experts.</li><li>• Protein expressed in mammalian cells and purified in one-step affinity chromatography</li><li>• The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.</li><li>• State-of-the-art algorithm used for plasmid design (Gene synthesis).</li></ul> <p>This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.</p> <p>If you are not interested in a full length protein, please contact us for individual protein fragments.</p> <p>The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.</p>
Purity:	> 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)
Grade:	custom-made

## Target Details

Target:	Occludin (OCLN)
Alternative Name:	OCLN ( <a href="#">OCLN Products</a> )
Background:	Occludin,FUNCTION: May play a role in the formation and regulation of the tight junction (TJ) paracellular permeability barrier. It is able to induce adhesion when expressed in cells lacking tight junctions. {ECO:0000269 PubMed:19114660}., FUNCTION: (Microbial infection) Acts as a coreceptor for hepatitis C virus (HCV) in hepatocytes. {ECO:0000269 PubMed:19182773, ECO:0000269 PubMed:20375010}.
Molecular Weight:	59.1 kDa
UniProt:	<a href="#">Q16625</a>
Pathways:	<a href="#">Cell-Cell Junction Organization</a> , <a href="#">Hepatitis C</a>

## Application Details

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Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
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Restrictions:	For Research Use only
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## Handling

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Format:	Liquid
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Buffer:	The buffer composition is at the discretion of the manufacturer.
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Handling Advice:	Avoid repeated freeze-thaw cycles.
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Storage:	-80 °C
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Storage Comment:	Store at -80°C.
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Expiry Date:	12 months
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