

MBP-CLDN6 Protein | CLDN6 protein

Human MBP-CLDN6 full length protein-synthetic nanodisc

CATALOG #
AAA129480

HOST
HEK293

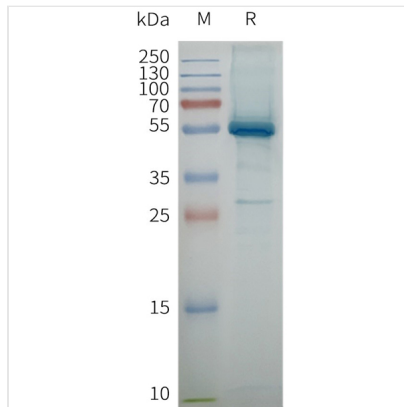
PRODUCT SYNONYMS

MBP-CLDN6; Human MBP-CLDN6 full length protein-synthetic nanodisc; Claudin 6; Claudin-6; Skullin; Claudin6; CLDN6 protein

PRODUCT SPECIFICATIONS

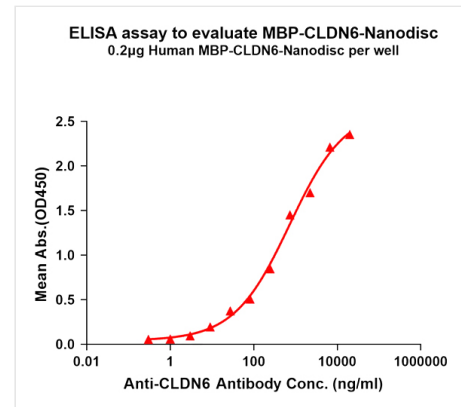
Host	HEK293
Form/Format	Lyophilized from nanodisc solubilization buffer (20 mM Tris-HCl, 150 mM NaCl, pH 8.0). Normally 5%-8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions. Lyophilized from PBS. Normally 5%-
Tag	N-MBP, C-DYKDDDDK
Preparation and Storage	Store at -20 degree C to -80 degree C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80 degree C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.

IMAGES



SDS-PAGE

Figure 2. Human MBP-CLDN6-Nanodisc with N-MBP Tag, C-DYKDDDDK Tag on SDS-PAGE



ELISA

Figure 1. Elisa plates were pre-coated with N-MBP Tag, C-DYKDDDDK Tag MBP-CLDN6-Nanodisc (0.2ug/per well). Serial diluted anti-CLDN6 monoclonal antibody solutions were added, washed, and incubated with secondary antibody before Elisa reading. From above data, the EC50 for anti-CLDN6 monoclonal antibody binding with MBP-CLDN6-Nanodisc is 723.6ng/ml.

ADDITIONAL INFORMATION

Related Product Information for CLDN6 protein

Tight junctions represent one mode of cell-to-cell adhesion in epithelial or endothelial cell sheets, forming continuous seals around cells and serving as a physical barrier to prevent solutes and water from passing freely through the paracellular space. These junctions are comprised of sets of continuous networking strands in the outwardly facing cytoplasmic leaflet, with complementary grooves in the inwardly facing extracytoplasmic leaflet. This gene encodes a component of tight junction strands, which is a member of the claudin family. The protein is an integral membrane protein and is one of the entry cofactors for hepatitis C virus. The gene methylation may be involved in esophageal tumorigenesis. This gene is adjacent to another family member CLDN9 on chromosome 16.

Product Categories/Family for CLDN6 protein

Cell adhesion molecules (CAMs); Leukocyte transendothelial migration; Tight junction

NCBI AND UNIPROT INFORMATION

NCBI GI #	153792768
NCBI GeneID	9074
NCBI Accession #	NP_067018.2
NCBI GenBank Nucleotide #	NM_021195.4
UniProt Accession #	P56747; B3KQP9; D3DUA5
Molecular Weight	23,292 Da
NCBI Official Full Name	claudin-6
NCBI Official Synonym Full Names	claudin 6
NCBI Official Symbol	CLDN6
NCBI Protein Information	claudin-6; skullin
UniProt Protein Name	Claudin-6
UniProt Gene Name	CLDN6
UniProt Entry Name	CLD6_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/hek293-protein/mbp-cldn6/129480>