

CLDN6 recombinant protein

Human CLDN6 (138-160) Protein, hFc Tag

CATALOG #
AAA11714

HOST
HEK293

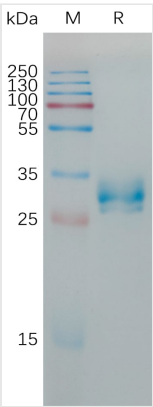
PRODUCT SYNONYMS

CLDN6; Human CLDN6 (138-160) Protein; hFc Tag; Claudin-6; Skullin; CLDN6 recombinant protein

PRODUCT SPECIFICATIONS

Host	HEK293
Purity/Purification	Purified from cell culture supernatant by affinity chromatography The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Form/Format	Lyophilized from sterile PBS, pH 7.4. Normally 5%-8% trehalose is added as protectants before lyophilization.
Sequence	CLDN6(138- 160)(Trp13 8-Leu160)h Fc(Glu99-A la330)
Tag	C-Human Fc Tag
Molecular Characterization	CLDN6(Trp138-Leu160) hFc(Glu99-Ala330)
Reconstitution	1: Before opening the tube cap, centrifuge the sample tube at 5000g for 3-5 minutes at room temperature to ensure the lyophilized sample to settle down at the bottom othe tube. 2: Dissolved lyophilized protein sample in sterile water based on the recommended volume 51.81 ul 3: After addin sterile water, cover the lid and mix them by gently tapping the tube for 5-10 times. Note: Do not vortex or vigorously pipette sample.
Visual Inspection	Test: Lyophilization ; Specification: Dried white powder ; Result: Pass Test: Vial label ; Specification: Label aligned and complete ; Result: Pass Test: Bottle Sealing (Manual Check); Specification: Sealed tight ; Result: Pass
Quantity	Test: Bradford Method ; Specification: ≥specified quantity ; Result: Pass
Other Properties	Test: pH ; Specification: 7.4 +/- 0.5; Result: Pass
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 1. Human CLDN6(138-160) Protein, hFc Tag on SDS-PAGE under reducing condition.

ADDITIONAL INFORMATION

Related Product Information for CLDN6 recombinant protein	Recombinant Human CLDN6 (138-160) Protein with C-terminal human Fc tag 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.[provided by RefSeq, Aug 2010]
Product Categories/Family for CLDN6 recombinant protein	ECD 1182; ECD Proteins

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	Molecular Weight Note: The protein has a predicted molecular mass of 28.9 kDa after removal of the signal peptide. The apparent molecular mass of CLDN6(138-160)-hFc is approximately 25-35 kDa due to glycosylation.
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.

