

CLDN11 Protein, Human (Cell-Free, His)

Cat. No.:	HY-P702246
Synonyms:	Claudin-11; Oligodendrocyte-specific protein
Species:	Human
Source:	E. coli Cell-free
Accession:	O75508 (M1-V207)
Gene ID:	5010
Molecular Weight:	23.5 kDa

PROPERTIES

AA Sequence	<p>M V A T C L Q V V G F V T S F V G W I G V I V T T S T N D W V V T C G Y T I P T</p> <p>C R K L D E L G S K G L W A D C V M A T G L Y H C K P L V D I L I L P G Y V Q A</p> <p>C R A L M I A A S V L G L P A I L L L L T V L P C I R M G Q E P G V A K Y R R A</p> <p>Q L A G V L L I L L A L C A L V A T I W F P V C A H R E T T I V S F G Y S L Y A</p> <p>G W I G A V L C L V G G C V I L C C A G D A Q A F G E N R F Y Y T A G S S S P T</p> <p>H A K S A H V</p>
Appearance	Lyophilized powder.
Formulation	Lyophilized from a 0.22 µm filtered solution of Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Endotoxin Level	<1 EU/µg, determined by LAL method.
Reconstitution	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH ₂ O. For long term storage it is recommended to add 5-50% of glycerol (final concentration). Our default final concentration of glycerol is 50%. Customers could use it as reference.
Storage & Stability	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
Shipping	Room temperature in continental US; may vary elsewhere.

DESCRIPTION

Background	<p>Claudin-11 (CLDN11) assumes a crucial role in the precise closure of the intercellular space within tight junctions, primarily facilitated by its calcium-independent cell-adhesion capabilities. This protein also engages in interactions with tetraspanin-3/TSPAN3, indicating potential collaborative roles within cellular processes. Furthermore, CLDN11 forms associations with OCLN, as observed in experimental findings, elucidating its involvement in molecular interactions that contribute to the structural integrity and functional regulation of tight junctions.</p>
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Caution: Product has not been fully validated for medical applications. For research use only.

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