

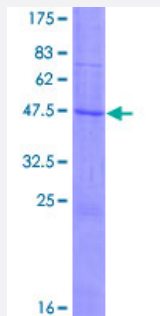
Full-Length

# CLDN14 (Human) Recombinant Protein (P01)

Catalog # H00023562-P01

Size 25 ug, 10 ug

## Applications



## Specification

<b>Product Description</b>	Human CLDN14 full-length ORF ( NP_036262.1, 1 a.a. - 239 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Sequence</b>	MASTAVQLLGFLLSFLGMVGTLITILPHWRRTAHVGTNILTAVSYLKGLWMECVWHSTGYQCQIY RSLALPQDLQAARALMVISCLLSGIACACAVIGMKCTRCAGTPAKTTFAILGGTLFILAGLLCMV AVSWTTNDVVQNFYNPLLP SGMKFEIGQALYLGFISSLSLIGGTLLCLSCQDEAPYRPYQAPPRA TTTTANTAPAYQPPAAYKDNRAPSVTSATHSGYRLNDYV
<b>Host</b>	Wheat Germ (in vitro)
<b>Theoretical MW (kDa)</b>	52.1
<b>Interspecies Antigen Sequence</b>	Mouse (93); Rat (93)
<b>Preparation Method</b>	<a href="#">in vitro wheat germ expression system</a>
<b>Purification</b>	Glutathione Sepharose 4 Fast Flow
<b>Quality Control Testing</b>	12.5% SDS-PAGE Stained with Coomassie Blue.
<b>Storage Buffer</b>	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
<b>Storage Instruction</b>	Store at -80°C. Aliquot to avoid repeated freezing and thawing.

## Note

Best use within three months from the date of receipt of this protein.

## Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

## Gene Info — CLDN14

Entrez GeneID [23562](#)

GeneBank Accession# [NM\\_012130.2](#)

Protein Accession# [NP\\_036262.1](#)

Gene Name CLDN14

Gene Alias DFNB29

Gene Description claudin 14

Omim ID [605608](#)

Gene Ontology [Hyperlink](#)

**Gene Summary**

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. The protein encoded by this gene, a member of the claudin family, is an integral membrane protein and a component of tight junction strands. The encoded protein also binds specifically to the WW domain of Yes-associated protein. Defects in this gene are the cause of an autosomal recessive form of nonsyndromic sensorineural deafness. Several transcript variants encoding the same protein have been found for this gene. [provided by RefSeq]

**Other Designations** OTTHUMP00000109045|OTTHUMP00000109046|OTTHUMP00000109047|OTTHUMP00000109048|OTTHUMP00000109049

## Pathway

- [Cell adhesion molecules \(CAMs\)](#)
- [Leukocyte transendothelial migration](#)
- [Tight junction](#)

## Disease

- [Genetic Predisposition to Disease](#)
- [Hearing Loss](#)
- [Kidney Calculi](#)
- [Tobacco Use Disorder](#)