

## Product datasheet for **TP761793**

### Claudin 15 (CLDN15) (NM\_138429) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Human claudin 15 (CLDN15), transcript variant 2, full length, with N-terminal GST and C-terminal His tag, expressed in E. coli, 50ug
Species:	Human
Expression Host:	E. coli
Expression cDNA Clone or AA Sequence:	A DNA sequence encoding human full-length CLDN15
Tag:	N-GST and C-His
Predicted MW:	52.2 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	50 mM Tris-HCl, pH 8.0, 8 M urea
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<a href="#">NP_612438</a>
Locus ID:	24146
UniProt ID:	<a href="#">P56746</a>
RefSeq Size:	1200
Cytogenetics:	7q22.1
RefSeq ORF:	384
Synonyms:	claudin 15; FLJ42715; MGC19536



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**Summary:**

This gene encodes a member of the claudin family. Claudins are integral membrane proteins and components of tight junction strands. Tight junction strands serve as a physical barrier to prevent solutes and water from passing freely through the paracellular space between epithelial or endothelial cell sheets, and also play critical roles in maintaining cell polarity and signal transductions. Alternatively spliced transcript variants encoding the same protein have been found for this gene. [provided by RefSeq, Jun 2010]

**Protein Families:**

Transmembrane

**Protein Pathways:**

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

**Product images:**