

Recombinant Human CDHR5 protein (rFc Tag)

Catalog Number: Eg5775

Basic Information

Species:
Human**Purity:**
>90 %, SDS-PAGE**Tag:**
rFc Tag

Technical Specifications

Purity:

>90 %, SDS-PAGE

Endotoxin Level:

<0.1 EU/ µg protein, LAL method

Source:

HEK293-derived Human CDHR5 protein Gln26-Asp460 (Accession# Q9HBB8-1) with a rabbit IgG Fc tag at the C-terminus.

GeneID:

53841

Accession:

Q9HBB8-1

Predicted Molecular Mass:

73.3 kDa

SDS-PAGE:

88-120 kDa, reducing (R) conditions

Formulation:

Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.

Biological Activity

Not tested

Storage and Shipping

Storage:

It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

- Until expiry date, -20°C to -80°C as lyophilized proteins.
- 3 months, -20°C to -80°C under sterile conditions after reconstitution.

Shipping:

The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.

Reconstitution

Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.

Background

CDHR5 (Cadherin-Related Family Member 5), also known as MUCDHL (Mucin and Cadherin-Like) or MLP (Mucin-Like Protein), is a member of the cadherin superfamily characterized by multiple cadherin-like repeats and a mucin-like domain, which distinguishes it from classical cadherins. Structurally, CDHR5 is a transmembrane protein with an extracellular region containing several cadherin repeats that may mediate homophilic or heterophilic cell-cell adhesion, as well as a highly O-glycosylated mucin-like stalk that is thought to extend the adhesion domain away from the cell surface. CDHR5 is predominantly expressed in the gastrointestinal tract, particularly in the small intestine and colon, where it localizes to the brush border of enterocytes and functions in maintaining microvillar architecture and epithelial integrity.

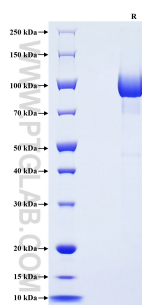
References

- 1.Crawley, Scott W et al. Cell vol. 157,2 (2014): 433-446.
- 2.Matoo, Samaneh et al. Biochemistry and cell biology = Biochimie et biologie cellulaire vol. 103 (2025): 1-11.

Synonyms

Cadherin-related family member 5, MLPCDH, MUCDHL, Mucin and cadherin-like protein, Mucin-like protocadherin

Selected Validation Data



Purity of Recombinant Human CDHR5 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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