

Cadherin-10/CDH10 Recombinant Protein | CDH10 recombinant protein

Recombinant Human Cadherin-10/CDH10 Protein (His Tag), HPLC-verified

CATALOG # AAA259304	HOST HEK293 Cells	REACTIVITY Human
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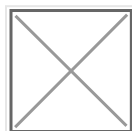
PRODUCT SYNONYMS

Cadherin-10/CDH10; Recombinant Human Cadherin-10/CDH10 Protein (His Tag); HPLC-verified; Human CDH10 Protein (His Tag); CDH10 recombinant protein

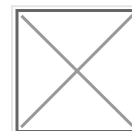
PRODUCT SPECIFICATIONS

Host	HEK293 Cells
Reactivity	Human
Purity/Purification	>= 90% as determined by SDS-PAGE. >= 95% as determined by SEC-HPLC.
Form/Format	Lyophilized from sterile 50 mM Tris, 100 mM NaCl, 3 mM CaCl ₂ , 10% Glycerol, 0.1 M Arg, pH 8.0. Normally 5%-8% trehalose, mannitol and 0.01% Tween80 are added as protectants before lyophilization.
Sequence	Gly55-Ala6 13
Tag	C-His
Predicted N Terminal	Gly 55
Endotoxin	< 1.0 EU perug of the protein as determined by the LAL method
Protein Construction	A DNA sequence encoding the Human CDH10 (NP_006718)(Gly55-Ala613) was expressed with a polyhistidine tag at the C-terminus.
Preparation and Storage	Samples are stable for up to twelve months from date of receipt at -20 degree C to -80 degree C. Store it under sterile conditions at -20 degree C to -80 degree C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles. In general, recombinant proteins are provided as lyophilized powder which are shipped at ambient temperature. Bulk packages of recombinant proteins are provided as frozen liquid. They are shipped out with blue ice unless customers require otherwise.

IMAGES



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for CDH10 recombinant protein

Cadherin 10 (CDH10) is a type II cadherin predominantly expressed in the brain, putatively involved in axon outgrowth and guidance. Also known to mediate calcium-dependent cell-cell adhesion and maintain the correct balance between excitation and inhibition in neuronal dendrites., CDH 10 has a large N-terminal extracellular domain (containing 5 cadherin motif subdomains which appear to determine the specificity of the protein's homophilic cell adhesion activity), a single membrane-spanning domain, and a small, conserved C-terminal cytoplasmic domain. CDH10 spans 157.7kb on chromosome 5 and produces two transcript variants. Mutations and loss of expression of this protein have been observed in multiple cancer types, including gastric, colorectal, pancreatic, endometrial and lung. Genetic variations nearby the CDH10 genetic region have been associated with autism.

References

1. Smit, KR. e. al. Cadherin-1. Maintain. Excitatory/Inhibitor. Rati. throug. Interaction. wit. Synapti. Proteins. . Neurosci. 2017. doi. 10.1523/JNEUROSCI.1153-17.2017. 2. Jinawat. N. e. al. Alteration. o. typ. I. classica. cadherin. cadherin-1. (CDH10). i. associate. wit. pancreati. ducta. adenocarcinomas. Gene. Chromosome. Cancer. 2017. doi. 10.1002/gcc.22447. 3. Casciell. F. e. al. G9a-mediate. repressio. o. CDH1. i. hypoxi. enhance. breas. tumou. cel. motilit. an. associate. wit. poo. surviva. outcome. Theranostics. 2020. doi. 10.7150/thno.41453.

NCBI AND UNIPROT INFORMATION

Molecular Weight

The recombinant Human CDH10 consisting of 570 amino acids and has a calculated molecular mass of 63.66 kDa. As a result of glycosylation, the recombinant protein migrates as an approximately 80.6 kDa protein in SDS-PAGE under reducing conditions.

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.

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Online datasheet: <https://stage.aaabiotech.com/cadherin-10/cdh10-recombinant-protein-hek293-cells/259304>