

Recombinant Human PCDH11Y Protein, His tagged

Cat. No. PCDH11Y-01H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCDH11Y Protein (57-844 aa) with His tag was expressed in HEK293.
Species	Human
Source	HEK293
ProteinLength	57-844 aa
Description	This gene belongs to the protocadherin family, a subfamily of the cadherin superfamily. The encoded protein consists of an extracellular domain containing seven cadherin repeats, a transmembrane domain, and a cytoplasmic tail that differs from those of the classical cadherins. This gene is located on the Y chromosome in a block of X/Y homology and is very closely related to its paralog on the X chromosome. The protein is thought to play a role in cell-cell recognition during development of the central nervous system. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Lyophilized
Molecular Mass	89 kDa
AASequence	HHHHHHHHHHHDYKDDDDKENVLIGNLLKDLNLSLIPNKSLTTTMQFKLVYKTGDVPLI RIEEDTGEIFTTGARIDREKLCAGIPRDEHCFYEVEVAILPDEIFRLVKIRFLIEDINDNA PLFPATVINISIPENSAINSKYTLPAAVDPDVGINGVQNYELIKSQNIFGLDVIETPEGD

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KMPQLIVQKELDREEKDTYVMKVVEDGGFPQRSSTAILQVSVTDTNDNHPVFKET
 EIEVSIPENAPVGTSTQLHATDADIGENAKIHFSFNSNLVSNIRRLFHLNATTGLITIKE
 PLDREETPNHKLLVLASDGGMLPARAMVLVNVTDVNDNVPSIDIRYIVNPVNDTVVLS
 ENIPLNTKIALITVTDKADHNGRVTCFTDHEIPFRLRPVFSNQFLENAAYLDYESTK
 EYAIKLLAADAGKPPLNQSAMLFIVKVDENDNAPVFTQSFVTVSIPENNSPGIQLMKV
 SATDADSGPNAEINYLLGPDAPPEFSLDRRTGMLTVVKLDREKEDKYLFTILAKDN
 GVPPLTSNVTVFVSIIDQNDNSPVFTHNEYKFYVPENLPRHGTVGLITVTDPDYGDNS
 AVTLSILDENDDFIDSQTGVIRPNISFDREKQESYTFYVKAEDGGRVSRSSSAKVITIN
 VVDVNDNKPVFIVPPYNYSYELVLPSTNPGTVVFQVIAVDNDTGMNAEVRYISIVGGN
 TRDLFAIDQETGNITLMEKCDVTDLGLHRVLVKANDLGQPDSLFSVVIVNLFVNESVT
 NATLINELVRKSIEAPVTPNTEIADVSSPTSDYVKILVAAGTIT

Endotoxin	< 1 EU/μg by LAL
Purity	> 80% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Storage Buffer	Lyophilized from PBS, pH 7.4, 5% Trehalose, 5% Mannitol

GENE INFORMATION

Gene Name	PCDH11Y protocadherin 11 Y-linked [Homo sapiens (human)]
Official Symbol	PCDH11Y
Synonyms	PCDH11Y; protocadherin 11 Y-linked; PCDH22, protocadherin 22; protocadherin-11

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Y-linked; PCDHY; PCDH-Y; protocadherin Y; protocadherin 22; protocadherin-22; protocadherin-PC; protocadherin prostate cancer; protocadherin on the Y chromosome; PCDH22; PCDH-PC

Gene ID 83259

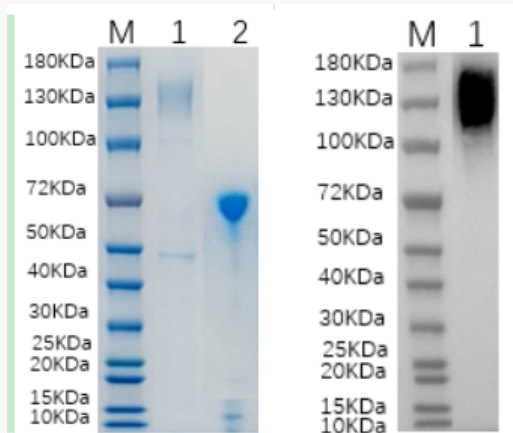
mRNA Refseq NM_032971

Protein Refseq NP_116753

MIM 400022

UniProt ID Q9BZA8

SDS-PAGE and WB



Reducing 4%-20% SDS-PAGE (CBB stained) and WB (Anti-His Mouse Monoclonal antibody) analysis profiles of purified PCDH11Y. 1. PCDH11Y: 1 µg 2. BSA: 1 µg

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