

PCDHGC4 (Human) Recombinant protein

Catalog # P9118

Size 20 ug

Specification

Product Description	Human PCDHGC4 (Q9Y5F7, 30 a.a. - 692 a.a) partial recombinant protein with His-tag at N-terminal expressed in <i>Escherichia Coli</i> .
Sequence	MGSSHHHHHH SSGLVPRGSH MQIRYPVEE SEQGTFVGNV AQDFLLDTDS LSARRLQVAG E VNQRHFRVD LDSGALLIKN PIDREALCGL SASCVPLEF VTEGPLEMYR AEVEMDVND HAPRF PRQQL DLEIGEAAPP GQRFPLEKAQ DADVGNSIS SYRLSSNEHF ALDVKKRSDG SLVPELLL EK PLDREKQSDY RLVLTAVDGG NPPRSGTAEL RVSVDVNDN APAFQQSSYR ISVLESAPAG MVLQLNASD PDLGPSGNVT FYFSGHTPDR VRNLFS LHPT TGKL TLLGPL DFESENYEF DVR ARDGGSP AMEQHC SLRV DLLDVNDNAP YITVTSELGT LPESAEPGTV VALISVQDPD SGSNG DVSLR IPDHLPFALK SAFRNQFSLV TAGPLDREK SSYDIMVTAS DAGNPPLSTH RTIFLNISDV NDNPPSFFQR SHEVFPENN RPGDLLCSLA ASDPDSGLNA LISYLLLEPR NRDVSASSFI SLN PQTGAVH ATRSFDEYEQT QTLQFEVQAR DRGNPPLSST VTVRLFVLDL NDNAPAVLRP RARPG SLCPQ ALPPSVGAGH LITKVTAVDL DSGYNWWSY QLLEAPDPSL FAVSRYAGEV RTAVPIPA DL PPQKLIVVK DSGSPPLSTS VTLLVSLEED THPVVPDLRE SSAPREGESR LTLY
Host	Escherichia coli
Theoretical MW (kDa)	74.3
Form	Liquid
Preparation Method	<i>Escherichia coli</i> expression system
Purity	> 85% by SDS-PAGE.
Storage Buffer	In 20mM Tris-HCl buffer, pH 8.0, 0.4M Urea and 10% glycerol.
Storage Instruction	Store at 4°C for 2~4 week. For long term storage store at -20°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Aliquot to avoid repeated freezing and thawing.

Applications

- SDS-PAGE

Gene Info — PCDHGC4

Entrez GeneID [56098](#)

Protein Accession# [Q9Y5F7](#)

Gene Name PCDHGC4

Gene Alias MGC119489, MGC24978, PCDH-GAMMA-C4

Gene Description protocadherin gamma subfamily C, 4

Omim ID [606305](#)

Gene Ontology [Hyperlink](#)

Gene Summary This gene is a member of the protocadherin gamma gene cluster, one of three related clusters tandemly linked on chromosome five. These gene clusters have an immunoglobulin-like organization, suggesting that a novel mechanism may be involved in their regulation and expression. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. These neural cadherin-like cell adhesion proteins most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been described for the gamma cluster genes. [provided by RefSeq]

Other Designations OTTHUMP00000160025