

Recombinant Human protocadherin gamma subfamily C, 4, His-tagged

Cat. No. PCDHGC4-424H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	PCDHGC4, 30-692aa, Human, His tag, E.coli
Species	Human
Source	E.coli
ProteinLength	30-692 a.a.
Description	PCDHGL4 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. 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. Recombinant human PCDHGL4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Form	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
Molecular Mass	74.3kDa (684aa)
AA Sequence	MGSSHHHHHH SSGLVPRGSH MQIRYPVPEE SQEGTFVGNV AQDFLLDTDS LSARRLQVAG EVNQRHFRVD LDGALLIKN PIDREALCGL SASCIVPLEF VTEGPLEMYR AEVEIVDVND HAPRFPRQQL DLEIGEAAPP GQRFPLEKAQ DADVGSNSIS SYRLSSNEHF ALDVKKRSDG SLVPELLEK PLDREKQSDY

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RLVLTAVDGG NPPRSGTAEL RVSVLVDVNDN APAFQQSSYR ISVLESAPAG
 MVLIQLNASD PDLGPSGNVT FYFSGHTPDR VRNLFS LHPT TGKLTLLGPL
 DFESENYYEF DVRARDGGSP AMEQHC SLRV DLLDVNDNAP YITVTSELGT
 LPESAEPGTV VALISVQDPD SGSNGDVSLR IPDHL PFALK SAFRNQFSLV
 TAGPLDREAK SSYDIMVTAS DAGNPPLSTH RTIFLNISDV NDNPPSFFQR
 SHEVFPENN RPGDLLCSLA ASDPDSGLNA LISYSLLEPR NRDVSASSFI
 SLNPQTGAVH ATRSF DYEQT QTLQFEVQAR DRGNPPLSST VTVRLFVLDL
 NDNAPAVLRP RARPGSLCPQ ALPPSVGAGH LITKVTAVDL DSGYNWVSY
 QLLEAPDPSL FAVSRYAGEV RTAVPIPADL PPQKL VIVVK DSGSPPLSTS
 VTLLVSLEED THPVVPDLRE SSAPREGESR LTLY

Purity >85% by SDS - PAGE

Storage Can be stored at +4C short term (1-2 weeks). For long term storage, aliquot and store at -20C or -70C. Avoid repeated freezing and thawing cycles.

Concentration 1.0 mg/ml (determined by Bradford assay)

GENE INFORMATION

Gene Name [PCDHGC4 protocadherin gamma subfamily C, 4 \[Homo sapiens \]](#)

Official Symbol PCDHGC4

Synonyms PCDHGC4; protocadherin gamma subfamily C, 4; protocadherin gamma-C4; PCDH GAMMA C4; MGC24978; PCDH-GAMMA-C4; MGC119489;

Gene ID [56098](#)

mRNA Refseq [NM_018928](#)

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Protein Refseq	NP_061751
MIM	606305
UniProt ID	Q9Y5F7
Chromosome Location	5q31
Function	calcium ion binding;

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