

Recombinant Human PCDHGC4, His-tagged

Cat. No. PCDHGC4-5025H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant human PCDHGL4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
Species	Human
Source	E.coli
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.
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 DLEIGEAAAPP GQRFPLEKAQ DADVGSNSIS SYRLSSNEHF ALDVKKRSDG SLVPELLEK PLDREKQSDY RLVLTAVDGG NPPRSGTAEL RVSVLDVNDN APAFQQSSYR ISVLESAPAG MVLIQLNASD PDLGPSGNVT FYFSGHTPDR VRNLFS LHPT TGKLTLLGPL DFESENYYEF DVRARDGGSP AMEQHC SLRV DLLDVNDNAP YITVTSELGT

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LPESAEPGTV VALISVQDPD SGSNGDVSLR IPDHLPPFALK SAFRNQFSLV
TAGPLDREAK SSYDIMVTAS DAGNPPLSTH RTIFLNISDV NDNPPSFFQR
SHEVFPENN RPGDLLCSLA ASDPDSGLNA LISYSLLEPR NRDVSASSFI
SLNPQTGAVH ATRSFDEYEQT QTLQFEVQAR DRGNPPLSST VTVRLFVLDL
NDNAPAVLRP RARPGSLCPQ ALPPSVGAGH LITKVTAVDL DSGYNWVSY
QLLEAPDPSL FAVSRYAGEV RTAVPIPADL PPQKLIVVK DSGSPPLSTS
VTLLVSLEED THPVVPDLRE SSAPREGESR LTLY

Purity >85% by SDS - PAGE

Applications SDS-PAGE

Storage Can be stored at +4centigrade short term (1-2 weeks). For long term storage, aliquot and store at -20centigrade or -70centigrade. 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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