

## Product datasheet for **AR51341PU-N**

### PCDHGC4 (30-692, His-tag) Human Protein

#### Product data:

<b>Product Type:</b>	Recombinant Proteins
<b>Description:</b>	PCDHGC4 (30-692, His-tag) human recombinant protein, 0.5 mg
<b>Species:</b>	Human
<b>Expression Host:</b>	E. coli
<b>Expression cDNA Clone or AA Sequence:</b>	MGSSHHHHHH SSGLVPRGSH MQIRYPVPEE SQEGTFVGNV AQDFLLDTDS LSARRLQVAG EVNQRHFRVD LDSGALLIKN PIDREALCGL SASCIVPLEF VTEGPLEMYR AVEIVDVND HAPRFPRQQL DLEIGEAAAPP GQRFPLEKAQ DADVGSNSIS SYRLSSNEHF ALDVKKRSDG SLVPELLLEK PLDREKQSDY RLVLTAVDGG NPPRSGTAE L RVSVLVDVNDN APAFQQSSYR ISVLESAPAG MVLIQLNASD PDLGPSGNVT FYFSGHTPDR VRNLFSLHPT TGKLTLLGPL DFESENYYEF DVRARDGGSP AMEQHCLSRV DLLDVNDNAP YITVTSELGT LPESAEPGTV VALISVQDPD SGSNGDVSLR IPDHLPFALK SAFRNQFSLV TAGPLDREAK SSYDIMVTAS DAGNPPLSTH RTIFLNISDV NDNPPSFFQR SHEVFPENN RPGDLLCSLA ASDPDSGLNA LISYLLLEPR NRDVSASSFI SLNPQTGAVH ATRSFYEQT QTLQFEVQAR DRGNPPLSST VTVRLFVLDL NDNAPAVLRP RARPGSLCPQ ALPPSVGAGH LITKYTAVDL DSGYNWWSY QLLEAPDPSL FAVSRYAGEV RTAVPIPADL PPQKLVIVVK DSGSPPLSTS VTLVLSLEED THPVVVDLRE SSAPREGESR LTLY
<b>Tag:</b>	His-tag
<b>Predicted MW:</b>	74.3 kDa
<b>Concentration:</b>	lot specific
<b>Purity:</b>	>85% by SDS - PAGE
<b>Buffer:</b>	Presentation State: This purified protein is available in a denatured form, making it less suitable for functional studies. Denatured proteins are better suited for applications like Western Blot (WB) or imaging assays. State: Liquid purified protein Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol
<b>Preparation:</b>	Liquid purified protein
<b>Protein Description:</b>	Recombinant human PCDHGL4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
<b>Storage:</b>	Store undiluted at 2-8°C for one week or (in aliquots) at -20°C to -80°C for longer. Avoid repeated freezing and thawing.



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**Stability:** Shelf life: one year from despatch.

**RefSeq:** [NP\\_061751](#)

**Locus ID:** 56098

**UniProt ID:** [Q9Y5F7](#)

**Cytogenetics:** 5q31.3

**Synonyms:** Protocadherin gamma-C4, PCDH-gamma-C4

**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, Jul 2008]

**Protein Families:** Transmembrane

### Product images:

