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## Recombinant human protocadherin/PCDHGC4 protein

Catalog Number: ATGP2521

## **PRODUCT INFORMATION**

## **Expression system**

E.coli

#### **Domain**

30-692aa

#### UniProt No.

09Y5F7

#### **NCBI Accession No.**

NP 115782

### **Alternative Names**

protocadherin gamma-C4 isoform 2 precursor, PCDH-GAMMA-C4

## PRODUCT SPECIFICATION

### **Molecular Weight**

74.3 kDa (684aa)

#### Concentration

1mg/ml (determined by Bradford assay)

#### **Formulation**

Liquid in. 20mM Tris-HCl buffer (pH 8.0) containing 0.4M uREA, 10% glycerol

#### **Purity**

> 85% by SDS-PAGE

#### Tag

His-Tag

#### **Application**

SDS-PAGE, Denatured

## **Storage Condition**

Can be stored at +2C to +8C for 1 week. For long term storage, aliquot and store at -20C to -80C. Avoid repeated freezing and thawing cycles.

#### **BACKGROUND**

#### **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.



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### **Amino acid Sequence**

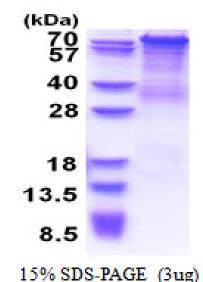
MGSSHHHHHH SSGLVPRGSH MQIRYPVPEE SQEGTFVGNV AQDFLLDTDS LSARRLQVAG EVNQRHFRVD LDSGALLIKN PIDREALCGL SASCIVPLEF VTEGPLEMYR AEVEIVDVND HAPRFPRQQL DLEIGEAAPP GQRFPLEKAQ DADVGSNSIS SYRLSSNEHF ALDVKKRSDG SLVPELLLEK PLDREKQSDY RLVLTAVDGG NPPRSGTAEL RVSVLDVNDN APAFQQSSYR ISVLESAPAG MVLIQLNASD PDLGPSGNVT FYFSGHTPDR VRNLFSLHPT TGKLTLLGPL DFESENYYEF DVRARDGGSP AMEQHCSLRV DLLDVNDNAP YITVTSELGT LPESAEPGTV VALISVQDPD SGSNGDVSLR IPDHLPFALK SAFRNQFSLV TAGPLDREAK SSYDIMVTAS DAGNPPLSTH RTIFLNISDV NDNPPSFFQR SHEVFVPENN RPGDLLCSLA ASDPDSGLNA LISYSLLEPR NRDVSASSFI SLNPQTGAVH ATRSFDYEQT QTLQFEVQAR DRGNPPLSST VTVRLFVLDL NDNAPAVLRP RARPGSLCPQ ALPPSVGAGH LITKVTAVDL DSGYNAWVSY QLLEAPDPSL FAVSRYAGEV RTAVPIPADL PPQKLVIVVK DSGSPPLSTS VTLLVSLEED THPVVPDLRE SSAPREGESR LTLY

#### **General References**

Wu,Q., et al. (2001) Genome Res. 11 (3), 389-404 Nollet,F., et al. (2000) J. Mol. Biol. 299 (3), 551-572

## DATA





3ug by SDS-PAGE under reducing condition and visualized by coomassie blue stain.

