

Recombinant human protocadherin/PCDHGC4 protein

Catalog Number: ATGP2521

PRODUCT INFORMATION

Expression system

E.coli

Domain

30-692aa

UniProt No.

Q9Y5F7

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

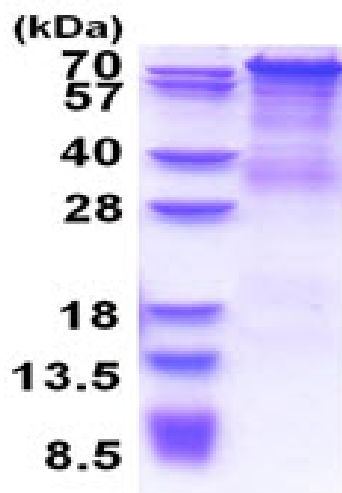
MGSSHHHHHH SSGLVPRGSH MQIRYPVPEE SEQGTFVGNV AQDFLLDTS LSARRLQVAG EVNQRHFRVD LDGALLIKN
PIDREALCGL SASCIVPLEF VTEGPLEMYR AVEIVDVND HAPRFPRQL DLEIGEAAPP GQRFPLEKAQ DADVGSNSIS
SYRLSSNEHF ALDVKKRSDG SLVPELLLEK PLDREKQSDY RLVLTAVDGG NPPRSGTAEI RVSVLVDVNDN APAFQQSSYR
ISVLESAPAG MVLIQLNASD PDLGPGSNVT FYFSGHTPDR VRNLFSLHPT TGKLTLLGPL DFESENYEF DVRARDGGSP
AMEQHC SLRV DLLDVNDNAP YITVTSELGT LPESAEPGTV VALISVQDPD SGSNGDVSLR IPDHLPFALK SAFRNQFSLV
TAGPLDREAK SSSYDIMVTAS DAGNPPLSTH RTIFLNISDV NDNPPSFFQR SHEVFPENN RPGDLLCSLA ASDPDSGLNA
LISYSLEPR NRDVSASSFI SLNPQTGAVH ATRSFQYEQT QTLQFEVQAR DRGNPPLSST VTVRLFVLDL NDNAPAVLRP
RARGSLCPQ ALPPSVGAGH LITKVTAVDL DSGYNAWVSQ QLLEAPDPSL FAVSRYAGEV RTAVPIPADL PPQKLVIVVK
DSGSPPLSTS VTLLVSLEED THPVVPLRE 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

SDS-PAGE



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

15% SDS-PAGE (3ug)