OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850
UNITED STATES
Phone: +1-888-267-4436
Fax: +1-301-340-8606
techsupport@origene.com

OriGene Technologies GmbH
Schillerstr. 5
32052 Herford
GERMANY
Phone: +49-5221-34606-0
Fax: +49-5221-34606-11
info-de@origene.com

AR51341PU-S Human PCDHGC4 (30-692, His-tag) - Purified

Alternate names: PCDH-gamma-C4, Protocadherin gamma-C4

Quantity: 0.1 mg

Concentration: 1.0 mg/ml (determined by Bradford assay)

Background: 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.

Uniprot ID: Q9Y5F7

NCBI: NP_115782

GeneID: 56098

Species: Human

Source: E. coli

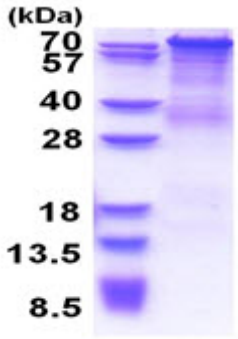
Format:
State: Liquid purified protein
Purity: >85% by SDS - PAGE
Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 0.4M UREA, 10% glycerol

Description: Recombinant human PCDHGL4 protein, fused to His-tag at N-terminus, was expressed in E.coli.
AA 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
Molecular weight: 74.3 kDa (684aa)

Storage: 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. Shelf life: one year from despatch.

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

Pictures:



15% SDS-PAGE (3ug)