

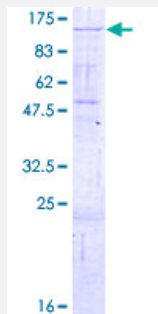
Full-Length

PCDHA4 (Human) Recombinant Protein (P01)

Catalog # H00056144-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PCDHA4 full-length ORF (NP_061730.1, 1 a.a. - 947 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEFSWGSQGSRRLLLLLLLAWEAGNGQLHYSVSEEAKHGTFVGRIQDLGLELAELVPRLF
RVASKGRGGLLEVNLRNGILFVNSRIDREELCRRSAECSEHLEVMDRPLQVFHVDVEVRDINDNP
PVFPATQKNLSIAESRPLDSRFPLEGASDADIGENALLTYRLSPNEYFSLEKPPDDELVKGLGLILR
KSLDREEAPEIFLVLATDGGKPELTGTVQLLITVLDANDNAPAFDRITYKVRLLNVPNGTLVIKLN
ASDLDEGLNGDIVSFSNDISPNVKSFKHIDPITGQIVKGYIDFEESKSYEIVEGIDKGQLPLSGHCR
VIVEVEDNNDNVPDLEFKSLSLPIREDAPLGTVIALISVSDKDMGVNGLVTCSTLTVHVPFKLVSTFK
NYSLVLDSALDRESVSAYELVVTARDGGSPSLWATASVSVEVADVNDNAPAFAPQPEYTVFVKE
NNPPGCHIFTVSAWDADAQENALVSYSVERRVGERALSSYSVHAESGKVYALQPLDHEEEL
LQFQVTARDAGVPPLGSNVTLQVFLDENDNAPALLAPRAGGTGGAVSELVPWSVGVGHVVAK
VRAVDADSGYNWLSYELQPGTGGARIPFRVGLYTGEISTTRALDETDAPRHRLLVLVKDHGEPA
LTATATVLVSLVESGQAPKASSRALVGAVGPDAALVDNVYLIIACAVSSLLVLTLLLYTALRCSAL
PTEGACAPGKPTLVCSSAVGSWSYSQRRPRVCSGEGPPKTDLMASFPSLPDSRDREDQLQT
TEESFAKPRQPNPDWRYASLRAGMHSSVHLEEAGILRAGPGGPDQQWPTVSSATPEPEAGEV
SPPVGAGVNSNSWTFKYGPNPKQSGPGELPKDFIIPGSPAISIRQEPTNSQIDKSDFITFGKKEE
TKKKKKKKKGKNTQEKKEKGNSTTDNSDQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

128.7

Interspecies Antigen Sequence

Mouse (86); Rat (85)

Preparation Method[in vitro wheat germ expression system](#)**Purification**

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — PCDHA4

Entrez GeneID[56144](#)**GeneBank Accession#**[NM_018907.2](#)**Protein Accession#**[NP_061730.1](#)**Gene Name**

PCDHA4

Gene Alias

CNR1, CNRN1, CRNR1, MGC138307, MGC142169, PCDH-ALPHA4

Gene Description

protocadherin alpha 4

Omim ID[606310](#)**Gene Ontology**[Hyperlink](#)

Gene Summary

This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. [provided by RefSeq]

Other Designations

KIAA0345-like 10|ortholog of mouse CNR1