

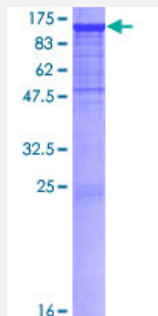
Full-Length

PCDHAC2 (Human) Recombinant Protein (P01)

Catalog # H00056134-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PCDHAC2 full-length ORF (NP_114089.1, 1 a.a. - 884 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MEQAGTRPAATEHPRLRRPMPWLLLLPLLLLLLLLLPGPAASQLRYSVPPEEQAPGALVGNVARAL
GLELRRLGPGCLRINHLGAPSPRYLELDLTSGALFVNERIDREALCEQRPRCLLSLEVLAHNPVAV
SAVEVEILDINDNSPRFPRPNYQLQVSESVAPGARFHIESAQDPDVGANSVQTYELSPSEHFELD
LKPLQENSKVLELVLRKGLDREQAALHHLVLTAVDGGIPARSGTAQISVRVLDTNDNSPAFDQSTY
RVQLREDSPPGTLVVKLNASDPDEGSNGELRYSLSSTSDRERQLFSIDASTGEVRVIGGLDYEE
ASSYQIYQATDRGPVPMAGHCKVLVDVDVNDNAPEVVLTDLYSPVPENATPNTVAVLSVNDQ
DSGPNRKVSLGLEATLPFRLNGFGNSYTLVVGPLDRERVAVYNITVTATDGGIPQLTSLRTLKVEI
SDINDNPPSFLEDSYSIMQENNLPGVLLCTVQATDPDEKENAEVTYSLLEREIQGLPVTSYVSINSA
SGSLYAVNSFDYEKFFREFFVTVEAQDKGSPPLSSTVTANVYVDMNDHAPHILYPTSTNSSAAFE
MVPRTAPAGYLVTKVIAMDSDSGQNAWLFIYHLAQTSDDLDFKVELHTGEIRTRKMGDESGSTFN
LTVVVRDNGEPSLSASVAITVAVVDRVSKILPDTQRHVKSPTYSEITLYLIALSTVSFIFLLTIIILSIK
CYRYTAYGTACCGGFCGVRERSPAELYQANNNIDARIPHGLKVQPHFIEVRGNGSLTKTYCYKAC
LTAGSGSDTFMFYNTGAQTGPGPSGAQAAVTDSRNLTGQSGQNAGNLILKNEAVSQNEVRQWS
GLLQTHAFVTHPPISCDLALLSH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

122.6

Interspecies Antigen Sequence

Mouse (92); Rat (92)

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 — PCDHAC2

Entrez GeneID	56134
GeneBank Accession#	NM_031883.2
Protein Accession#	NP_114089.1
Gene Name	PCDHAC2
Gene Alias	MGC71598, PCDH-ALPHA-C2
Gene Description	protocadherin alpha subfamily C, 2
Omim ID	606321
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

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