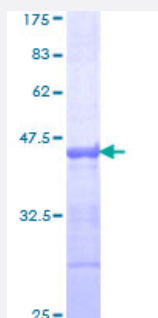


PCDHAC2 (Human) Recombinant Protein (Q01)

Catalog # H00056134-Q01

Size 25 ug, 10 ug

Applications



Specification

| | |
|--------------------------------------|--|
| Product Description | Human PCDHAC2 partial ORF (NP_061722, 81 a.a. - 190 a.a.) recombinant protein with GST-tag at N-terminal. |
| Sequence | HLGAPSPRYLELDLTSGALFVNERIDREALCEQRPRCLLSLEVLAHNPVAVSAVEVEILDINDNSP RFPRPNYQLQVSESVAPGARFHIESAQDPDVGANSVQTYELSPS |
| Host | Wheat Germ (in vitro) |
| Theoretical MW (kDa) | 37.84 |
| 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_018899](#)

Protein Accession# [NP_061722](#)

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 -