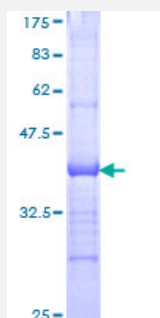


PCDHA12 (Human) Recombinant Protein (Q01)

Catalog # H00056137-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PCDHA12 partial ORF (NP_061726, 222 a.a. - 327 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	LTGSVQIQITVLVDVNDNGPAFDKPSYKVVLSENVQNDTRVIQLNASDPDEGLNGEISYGIKMLPVS EKCMFSINPDTGEIRIYGELDFEENNAYEIQVNAIDKGI
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.4
Interspecies Antigen Sequence	Mouse (75); Rat (75)
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 — PCDHA12

Entrez GeneID [56137](#)

GeneBank Accession# [NM_018903](#)

Protein Accession# [NP_061726](#)

Gene Name PCDHA12

Gene Alias MGC138485, MGC141932, PCDH-ALPHA12

Gene Description protocadherin alpha 12

Omim ID [606318](#)

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 2