

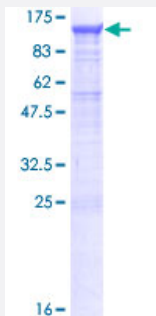
Full-Length

PCDHGB1 (Human) Recombinant Protein (P01)

Catalog # H00056104-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PCDHGB1 full-length ORF (NP_115266.1, 1 a.a. - 810 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MQRAREAEMMSQVLFPFLLSLFCGAISQQIRYTIPEELANGSRVGKLAKDLGLSVRELPTKLRV
SAEDYFNVSLESGLLVNGRIDREKICGRKLECALEFETVAENPMNVFHVVVVIQDINDNAPRFVA
KGIDLEICESALPGVKFSLDSAQDADVEGNSLKLYTINPNQYFSLSTKESPDGSKYPVLLLEKPLD
REHQSSHRLILTAMDGGDPPLSGTTHWIRVTDANDNAPVFSQEVYRVSLQENVPWGTSVLRVMA
TDQDEGINAEITYAFLNSPISTSLFNLNPNTGDITNGTLDFEETSRYVLSVEAKDGGVHTAHCNVQI
EIVDENDNAPEVTFMSFSNQIPEDSDLGTVIALIKVRDKDSGQNGMVTCTQEEVPFKLESTSKNY
YKLVIAGALNREQTADYNVTIATDKGKPALSSRTSITLHISDINDNAPVFHQASYVVHVSENNPPGA
SIAQVSASDPDLGPNGRVSYSLASDLEPRELLSYSVSPQSGVVFAQRAFDHEQLRAFELTLQA
RDQGSPALSANVSLRVLVGDLNDNAPRVLYPALGPDGSALFDMVPRAAEPGYLVTKVVAVDAD
SGHNAWLSYHVLQASEPGLFSLGLRTGEVRTARALGDRDAARQRLLVAVRDGGQPPLSATATLH
LIFADSLQEVLPLSDRPEPSDPQTELQFYLVVALALISVLFLLAVILAIALRLRRSSSLDTEGCFQT
GLCSKSGPGVPPNHSEGTLPYSYNLCIASHSAKTEFNLSNLTPEMAPPQDLLCDDPSMVVCASN
EDHKIAYDPSLSSHVSFCKSS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

114.6

Interspecies Antigen Sequence

Mouse (80)

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 — PCDHGB1

Entrez GeneID	56104
GeneBank Accession#	NM_032095.1
Protein Accession#	NP_115266.1
Gene Name	PCDHGB1
Gene Alias	MGC119466, MGC119467, MGC119469, PCDH-GAMMA-B1
Gene Description	protocadherin gamma subfamily B, 1
Omim ID	606299
Gene Ontology	Hyperlink

Gene Summary

This gene 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. The gamma gene cluster includes 22 genes divided into 3 subfamilies. Subfamily A contains 12 genes, subfamily B contains 7 genes and 2 pseudogenes, and the more distantly related subfamily C contains 3 genes. The tandem array of 22 large, variable region exons are followed by a constant region, containing 3 exons shared by all genes in the cluster. Each variable region exon encodes the extracellular region, which includes 6 cadherin ectodomains and a transmembrane region. The constant region exons encode the common cytoplasmic region. 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. Alternative splicing has been described for the gamma cluster genes. [provided by RefSeq]

Other Designations

protocadherin gamma subfamily B, 1, isoform 2