

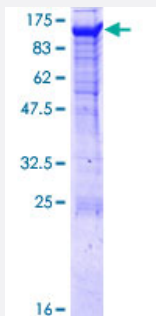
Full-Length

PCDHGA8 (Human) Recombinant Protein (P01)

Catalog # H00009708-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PCDHGA8 full-length ORF (NP_054723.1, 1 a.a. - 820 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MAAPQSRPRRGELILLCALLGTLWEIGRGQIRYSVPEETDKGSFVGNISKDLGLDPRKLAKHGVRIV
SRGRTQLFALNPRSGSLITAGRIDREELCAQSPRCLININTLVEDKKGKLFVGEIEIIDINDNNPKFQVE
DLEVKINEIAPGARYPLPEAVDPDVGVSLSYQLSPNHHFSLDVQTGDNGAINPELVLERALDR
EEEEAAHHLVLTASDGGKPPRSSTVRIHVTVLDTNDNAPVFPHPIRVKVLNMPPGTRLLTVTASD
PDEGINGKVAYKFRKINEKQTPFLQLNENTGEISIAKSLDYEECSFYEMEIQAEVDGALLGRTKLLIS
VEDVNDNRPEVIITSLFSPVLENSLPGTVIAFLSVHDQDSGKNGQVVCYTRDNLFPKLEKSIGNYYR
LVTRKYLDRENVSIYNITVMASDLGTPPLSTETQIALHVADINDNPPTFPHASYSAYILENNLRGASIF
SLTAHDPDSQENAVQVTSVTEDTLQGAPLSSYSISNSDTGVLALQSFQYEQIRDLQLLVLTASDSG
DPPLSSNMSLSLFLVDQNDNAPEILYPALPTDGSTGVELAPRSAERGYLVTKVAVDRDSGQNA
WLSYRLLKASEPGLFSVGLHTGEVVRTARALLDRDALKQSLVVAVQDHGQPPLSATVTLTVAVAD
SIPVLTTELGLKPSVDPNDSSLTYLVVAVAAISCVFLAFVAVLLGLRLRRWHKSRLQDSGGRL
VGVPASHFVGVEEVQAFLLQTYSQEVSLTADSRKSHLIFPQPNYADMLISQEGCEKNDSSLTSVDF
HEYKNEADHGQVSLVLCLLLISR

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

116.3

Interspecies Antigen Sequence

Mouse (81); Rat (81)

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 — PCDHGA8

Entrez GeneID	9708
GeneBank Accession#	NM_014004.2
Protein Accession#	NP_054723.1
Gene Name	PCDHGA8
Gene Alias	KIAA0327, PCDH-GAMMA-A8
Gene Description	protocadherin gamma subfamily A, 8
Omim ID	606295
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

-