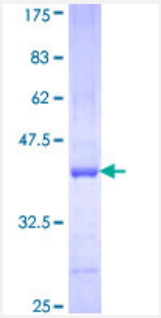
PCDHB15 (Human) Recombinant Protein (Q01)

Catalog # H00056121-Q01 Size 25 ug, 10 ug

Applications



Specification

Product Description	Human PCDHB15 partial ORF (NP_061758, 207 a.a. - 306 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	ELRLTLTAVDGGSPPRSGTVQILILVLDANDNAPEFVQALYEVQVPENSPVGSLVVKVSARDLDT GTNGEISYSLYYSSQEIDKPFELSSLSGEIRLIKK
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (76); Rat (76)
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 — PCDHB15

Entrez GeneID	56121
GeneBank Accession#	NM_018935
Protein Accession#	NP_061758
Gene Name	PCDHB15
Gene Alias	PCDH-BETA15
Gene Description	protocadherin beta 15
Omim ID	606341
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the protocadherin beta gene cluster, one of three related gene clusters t andemly linked on chromosome five. The gene clusters demonstrate an unusual genomic organiz ation similar to that of B-cell and T-cell receptor gene clusters. The beta cluster contains 16 genes and 3 pseudogenes, each encoding 6 extracellular cadherin domains and a cytoplasmic tail that d eviates from others in the cadherin superfamily. The extracellular domains interact in a homophilic manner to specify differential cell-cell connections. Unlike the alpha and gamma clusters, the trans cripts from these genes are made up of only one large exon, not sharing common 3' exons as exp ected. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins. Their specific functions are unknown but they most likely play a critical role in the establishment an d function of specific cell-cell neural connections. [provided by RefSeq
Other Designations	-