

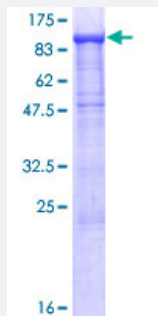
Full-Length

PCDH21 (Human) Recombinant Protein (P01)

Catalog # H00092211-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human PCDH21 full-length ORF (AAH38799.1, 1 a.a. - 745 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MRRCRWAALALGLLRLCLAQANFAPHFFDNGVGSTNGNMALFSLPEDTPVGSHVYTLNGTDPE
GDPISYHISFDPSTRSVFSVDPTFGNITLVEELDREREDIEAIIISDGLNLVAEKVVILVTDANDEA
PRFIQEPYVALVPEDIPAGSIIFKVHAVDRDTGSGGSVTYFLQNLHSPFAVDRHSGVLRQLQAGATL
DYERSRTHYITVAKDGGGRLHGADVVFSAATTVTVNVEDVQDMPVFGTPYYGYVEDTLPGS
EVLKVVAMDGDRGKPNRILYSLVNGNDGAFEINETSGAISITQSPAQLQREVYELHVQVTEMSPAG
SPAAQATVPVTIRVDLNNHPPTFYGESGPQNRFELSMNEHPPQGEILRGLKITVNDSDQGANAKF
NLQLVGPRGIFRVVPQTVLNEAQVTIIVENSAIDFEKSKVLTFKLLAVEVNTPEKFSSTADVVIQLL
DTNDNVPKFDSLYYVARIPENAPGGSSVVAVTAVDPDTGPWGEVKYSTYGTGADFLIHPSTGLIY
TQPWASLDAEATARYNFYVKAEDMEGKYSVAEVFITLLDVNDHPPQFGKSVQKKTMTVLGTPVKIE
AIDEDAEPPNNLVDYSITHAEPANVFDINSHTGEWLKNSIRSLEDALHNITPGRDCLWSLEVQAKDR
GSPSFSTTALLKIDITDAEVRRLRYMKNSNFPGTTKSVRKPKFKPKPHSSQGLFLHPHCEIALFNL
SNVNLYSRVFQGAAQAS

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

107.9

Interspecies Antigen Sequence

Mouse (88); Rat (87)

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 — PCDH21

Entrez GeneID	92211
GeneBank Accession#	BC038799.1
Protein Accession#	AAH38799.1
Gene Name	PCDH21
Gene Alias	DKFZp434A132, KIAA1775, PRCAD
Gene Description	protocadherin 21
Omim ID	609502
Gene Ontology	Hyperlink
Gene Summary	This gene is a member of the cadherin superfamily of calcium-dependent cell-cell adhesion molecules. The encoded protein has a signal peptide, six cadherin repeat domains and a unique cytoplasmic region. This non-classical cadherin appears to be exclusively expressed in the mitral and tufted cells in the main and accessory olfactory bulbs of the brain, suggesting a possible role in the formation and maintenance of neuronal networks. [provided by RefSeq]
Other Designations	MT-protocadherin OTTHUMP00000019993

Disease

- [Alzheimer Disease](#)
- [Blindness](#)
- [Genetic Predisposition to Disease](#)
- [Retinal Degeneration](#)
- [Retinitis Pigmentosa](#)
- [Usher Syndromes](#)