Recombinant Human PCDH1 protein, His & T7-tagged

Cat. No. PCDH1-6854H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCDH1 aa. (Arg575~Val812 (Accession # Q08174)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Arg575~Val812
Description	This gene belongs to the protocadherin subfamily within the cadherin superfamily. The encoded protein is a membrane protein found at cell-cell boundaries. It is involved in neural cell adhesion, suggesting a possible role in neuronal development. The protein includes an extracelllular region, containing 7 cadherin-like domains, a transmembrane region and a C-terminal cytoplasmic region. Cells expressing the protein showed cell aggregation activity. Alternative splicing occurs in this gene.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 29.5kDa.
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Characteristic	The isoelectric point is 5.8.

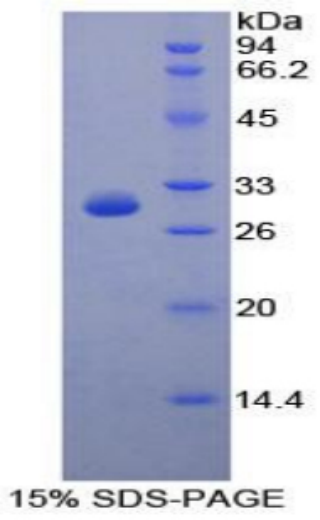
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name	PCDH1 protocadherin 1 [Homo sapiens (human)]
Official Symbol	PCDH1
Synonyms	PC42; PCDH42; cadherin-like 1; cadherin-like protein 1; protocadherin 42; protocadherin-1
Gene ID	5097
mRNA Refseq	NM_001278613.1
Protein Refseq	NP_001265542.1

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UniProt ID	Q08174
SDS-PAGE	

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