

Recombinant Human PCDH17 protein, T7/His-tagged

Cat. No. PCDH17-51H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant mature human PCDH17 cDNA (18–707aa, derived from BC028165) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	18-707 a.a.
Form	1.0 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGGQMGRGHHHHHHGNLYFQGGEFLKLNLYSVPEEQGAGTVIGNIGRDA RLQPGLPPAERGGGGRSKSGS YRVLENSAPHLLDVDADSGLLYTKQRIDRESLCR HNAKCQLSLEVFANDKEICMIKVEIQDINDNAPSFSSDQIE MDISENAAPGTRFPLTS AHDPDAGENGLRITYLLTRDDHGLFGLDVKSRGDGTFPELVIQKALDREQQNHHTL VL TALDGGEPPRSATVQINVKVIDSNDNSPVFEAPSYLVLPENAPLGTVIDLNATD ADEGPNGEVLYSFSSYVPD RVRELFSDPKTGLIRVKGNDLYEENGMLEIDVQARDL GPNPIPAHCKVTVKLIDRNDNAPSIGFVSVRQGALSE AAPPGTVIALVRVTDRDSGK NGQLQCRVLGGGGTGGGGGLGGPGGSVPFKLEENYDNFYTVVTDRPLDRETQDE Y NVTIVARDGGSPPLNSTKSFAIKILDENDNPPRFTKGLYVLQVHENNIPGEYLGSVL AQDPDLGQNGTVSYSILP SHIGDVSIYTYVSVNPTNGAIYALRSFNFEQTKAFEFKVL AKDSGAPAHLESNATVRVTVLVDVNDNAPVIVLPTL QNDAELQVPRNAGLGYLVT

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	VRALDSDFGESGRLTYEIVDGNDDHLFEIDPSSGEIRTLHPFWEDVTPVVELVV KVT DHGKPTLSAVAKLIIRSVSGSLPEGVPRVNGEQHHWDMSLP
Purity	>90% by SDS-PAGE
Applications	1. May be used for in vitro mediated neuronal cell differentiation regulation study with this protein as either coating matrix protein or soluble factor.2. May be used as PCDH17 protein-protein interaction assay.3. Potential diagnostic biomarker protein for gastric tumors.4. As antigen for specific antibody production.
Storage	Keep at -80centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

GENE INFORMATION

Gene Name	PCDH17 protocadherin 17 [Homo sapiens]
Official Symbol	PCDH17
Synonyms	PCDH17; protocadherin 17; protocadherin-17; PCDH68; PCH68; protocadherin 68; protocadherin-68;
Gene ID	27253
mRNA Refseq	NM_001040429
Protein Refseq	NP_001035519
MIM	611760
UniProt ID	O14917

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Chromosome Location	13q21.1
Function	calcium ion binding; protein binding;