

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

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MASMTGGGQQMGRGHHHHHHGNLYFQQGGEFLKLNLYSVPEEQGAGTVIGNIGRDA
RLQPGLPPAERGGGGRSKSGS YRVLENSAPHLLDVDADSGLLYTKQRIDRESLCR
HNAKCQLSLEVFANDKEICMIKVEIQDINDNAPSFSSDQIE MDISENAAPGTRFPLTS
AHDPDAGENGLRTYLLTRDDHGLFGLDVKSRGDGTFPELVIQKALDREQQNHHTL
VL TALDGGEPPRSATVQINVKVIDSNDNSPVFEAPSYLVELPENAPLGTVIDLNATD
ADEGPNGEVLYSFSSVVPD RVRELFSDPKTGLIRVKGNDYEENGMLEIDVQARDL
GPNPIPAHCKVTVKLIDRNDNAPSIGFVSVRQGALSE AAPPGTVIALVRVTDRDSGK
NGQLQCRVLGGGGTGGGGGLGGPGGSVPFKLEENYDNFYTVVTDRLDRETQDE
Y NVTIVARDGGSPPLNSTKSFAIKILDENDNPPRFTKGLYVLQVHENNIPGEYLGSVL
AQDPDLGQNGTVSYSILP SHIGDVSIYTVSVNPTNGAIYALRSFNFEQTKAFEFKVL
AKDSGAPAHLESNATVRVTVLDVNDNAPVIVLPTL QNDAELQVPRNAGLGYLVST
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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;

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