

Recombinant Human PCDH12 protein, T7/His-tagged

Cat. No. PCDH12-48H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant human PCDH12 cDNA (25–718aa, derived from BC042634) fused with T7-His-TEV cleavage site Tag (29aa) at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	25-718 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	<p>MASMTGGQQMGRGHHHHHHGNLYFQGGEFQEVTTLTVKYQVSEEVPSGTVIGKL SQELGREERRRQAGAAFQVLQ LPQALPIQVDSEEGLLSTGRRLDREQLCRQWDPC LVSFDVLATGDLALIHVEIQVLDINDHQPRFPKGEQELEIS ESASLRTRIPLDRALDPD TGPNTLHTYTLSPSEHFALDVIVGPDETKHAELIVVKELDREIHSFFDLVLTAYDNG N PPKSGTSLVKVNVLDSNDNSPFAFAESSLALEIQEDAAPGTLTIKLTATDPDQGPNGEV EFFLSKHMPPEVLDTF SIDAKTGQVILRRPLDYEKNPAYEVDVQARDLGNPIPAHC KVLIKVLDVNDNIPSIHVTWASQPSLVSEALPKD SFIALVMADDLDSGNNGLVHCWL SQELGHFRLKRTNGNTYMLLTNATLDREQWPKYTLTLLAQDQGLQPLSAKKQ LSIQI SDINDNAPVFEKSRYEVSTRENNLPSLHLITIKAHDADLGINGKVSRYRIQDSPVAHLVA IDSNTGEVTAQ RSLNYEEMAGFEFQVIAEDSGQPMLASSVSVVWSLLDANDNAPEV VQPVLSDGKASLSVLVNASTGHLLVPIETP NGLGPAGTDPPLATHSSRPFLTTIVA RDADSGANGEPLYRSRSGNEAHLFILNPHTGQLFVNVTNASSLIGSE WELEIVVEDQ</p>

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GSPPLQTRALLRVMFVTSVDHLRDSARKPGALSMSMLT

Purity >90% by SDS-PAGE

Applications 1. May be used for in vitro PCDH12 mediated neuronal cell / placenta differentiation regulation study with this protein as either coating matrix protein or soluble factor.2. May be used as PCDH12 protein-protein interaction assay.3. Potential diagnostic biomarker protein for pre-eclampsia.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 PCDH12 protocadherin 12 [Homo sapiens]

Official Symbol PCDH12

Synonyms PCDH12; protocadherin 12; protocadherin-12; VE cadherin 2; VE-cad-2; VE-cadherin 2; vascular cadherin-2; vascular endothelial cadherin 2; vascular endothelial cadherin-2; VECAD2; VE-cadherin-2;

Gene ID 51294

mRNA Refseq NM_016580

Protein Refseq NP_057664

MIM 605622

UniProt ID Q9NPG4

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Chromosome Location	5q31.3
Function	calcium ion binding;

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