

Recombinant Human PCDH1, His-tagged

Cat. No. PCDH1-180H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Protocadherin-1/PCDH1 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Thr58-Asn852) of Human PCDH1 fused with a polyhistidine tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	58-852 a.a.
AA Sequence	TRVYKVPEEQPPNTLIGSLAADYGFPDVGHLYKLEVGAPYLVRVDGKTGDIFTTETSI DREGL R ECQNQLPGDPCILEFEVSITDLVQNGSPRLLEGQIEVQDINDNTPNFASPV ITLAIPEN TNIGS LFPIPLASDRDAGPNGVASYELQAGPEAQELFGLQVAEDQEEKQ PQLIVMGNLDR ERWDSYDLT IKVQDGGSPPRASSALLRVTVLDTNDNAPKFERPSY EAELSENSPIGHSVI QVKANDSDQGANA EIEYTFHQAPEVVRLLRLDRNTGLITVQ GPVDREDLSTLRFSLAK DRGTNPKSARAQVVVTV KDMNDNAPTIEIRGIGLVTHQ DGMANISEDVAEETAVALVQVS DRDEGENAAVTCVAGDVPFQ LRQASETGSDSK KKYFLQTTTPLDYEKVKDYTIEIVAVD SGNPPLSSTNSLKVQVVDVNDNAPV FTQSV TEVAFPENNKPGEVIAEITASDADSGSNAE LVYSLEPEPAAKGLFTISPETGEIQVKT S LDREQRESYELKVVAADRGSPSLQGTATVLV NVLDCNDNDPKFMLSGYNFSVME NMPALSPVGM VTVIDGDKGENAQVQLSVEQDNGDFVI QNGTGILSSLSFDREQQ STYTFQLKAVDGGVPPRSA YVGVTINVL DENDNAPYITAPSN TSHKLLTPQTRLGET VSQVAAEDFD SGVNAELIYSIAGGNP YGLFQIGSHSGAITLEKEI ERRHHGLHRLVV KVSDRGKPPRYGTALVHLYVNETLANRTLLET L LGHSLDTPLDIDIAG DPEYERSKQ

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RGNVDHHHHHH

Endotoxin Less than 0.1 ng/μg (1 IEU/μg).

Purity Greater than 95% as determined by SEC-HPLC and reducing SDS-PAGE.

GENE INFORMATION

Gene Name [PCDH1 protocadherin 1 \[Homo sapiens \]](#)

Official Symbol PCDH1

Synonyms PCDH1; protocadherin 1; protocadherin 1 (cadherin like 1); protocadherin-1; pc42; cadherin-like 1; protocadherin 42; protocadherin-42; cadherin-like protein 1; PC42; PCDH42; FLJ53887; MGC45991;

Gene ID [5097](#)

mRNA Refseq [NM_002587](#)

Protein Refseq [NP_002578](#)

MIM [603626](#)

UniProt ID [Q08174](#)

Chromosome Location 5q31.3

Function calcium ion binding;

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