

Recombinant Human PCDHA6, His-tagged

Cat. No. PCDHA6-169H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human Protocadherin α -6/PCDHA6 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Gln30-Asn697) of Human PCDHA6 fused with a 6His tag at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	30-697 a.a.
Description	Protocadherin α -6 (PCDHA6) is a single-pass type I membrane protein that contains six cadherin domains. PCDHA6 is a member of the protocadherin α gene cluster. The α gene cluster is composed of 15 cadherin superfamily genes related to CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. PCDHA6 is a potential calcium-dependent cell-adhesion protein. PCDHA6 may be involved in the establishment and maintenance of specific neuronal connections in the brain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain.
AA Sequence	QLHYSPVEEAKHGTFVGRQAQDLGLELAELVPRLFRMASKDREDLLEVNLLQNGILFV NSRIDREE LCGRSAECSIHLEIVIVDRPLQVFHVDVEVRDINDNPPLFPVVEEQRVLIYE SRLPDSVFPLEGASD ADVGSNSILTYKLSSEYFGLDVKINSDDNKQIGLLLKKSLLDR EEAPAHNLFLTATDGGKPELTG TVQLLVTVLDVNDNAPTFEQSEYEVRIENADNGT

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TVIRLNASDRDEGANGAISYSFNSLVAAMV IDHFSIDRNTGEIVIRGNLDFEQENLYKI
 LIDATDKGHPPMAGHCTVLRILDKNDNVPEIALTS LSLPVREDAQFGTVIALISVNDL
 DSGANGQVNCSTPHVPFKLVSTFKNYYSVLDSALDRESVS AYELVVTARDGGSP
 SLWATASLSVEVADMNDNAPAFAPQPEYTVFVKENPPGCHIFTVSARDADA QENAL
 VSYSLVERRVGERALSSYISVHAESGKVYALQPLDHEELELLQFQVSARDAGVPPLG
 SNV TLQVFVLDENDNAPALLAPRVGGTGGAVSELVPRSLGAGQVAKVRAVDADS
 GYNWLSYELQPP ASSARFPFRVGLYTGEISTTRVLDEADSPRHRLLVLVKDHGEP
 ALTATATVLVSLVESGQAPKAS SRASVGAAGPEAALVDVNVDDHHHHHH

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

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

GENE INFORMATION

Gene Name PCDHA6 protocadherin alpha 6 [Homo sapiens]

Official Symbol PCDHA6

Synonyms PCDHA6; protocadherin alpha 6; CNRS2; protocadherin alpha-6; CNR2; CRNR2;
 KIAA0345 like 8; PCDH ALPHA6; PCDH-alpha-6; KIAA0345-like 8; CNRN2; PCDH-
 ALPHA6;

Gene ID 56142

mRNA Refseq NM_018909

Protein Refseq NP_061732

MIM 606312

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UniProt ID	Q9UN73
Chromosome Location	5q31
Function	calcium ion binding;

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