

Recombinant Mouse Pcdh12 Protein, His-tagged

Cat. No. Pcdh12-1903M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Pcdh12 Protein (Leu18-Asp272) with N-His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Leu18-Asp272
Description	Predicted to enable calcium ion binding activity. Acts upstream of or within several processes, including calcium-dependent cell-cell adhesion via plasma membrane cell adhesion molecules; glycogen metabolic process; and homophilic cell adhesion via plasma membrane adhesion molecules. Located in cell-cell junction. Is expressed in several structures, including central nervous system; extraembryonic component; heart; placenta; and retina. Orthologous to human PCDH12 (protocadherin 12).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6 kDa Accurate Molecular Mass: 35 kDa
Purity	> 90%
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

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Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	Pcdh12 protocadherin 12 [Mus musculus (house mouse)]
Official Symbol	Pcdh12
Synonyms	PCDH12; protocadherin 12; protocadherin-12; VE-cadherin-2; protocadherin 14; vascular cadherin-2; vascular endothelial cadherin-2; Pcdh14; VE-cad-2;
Gene ID	53601
mRNA Refseq	NM_017378
Protein Refseq	NP_059074
UniProt ID	O55134

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