

Recombinant Mouse Cdh3 protein, Fc-tagged

Cat. No. Cdh3-1673M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cdh3 (Glu100-Gly647) fused with Fc region of human IgG1 tag at N-terminal was expressed in HEK293 cells.
Species	Human
Source	HEK293
ProteinLength	Glu100-Gly647
Description	This gene encodes a calcium-dependent cell-cell adhesion protein containing five cadherin domains. The encoded protein plays a role in epithelial outgrowth, such as that which occurs during the development of hair follicles and limb buds. Loss of function of the related gene in humans results in ectodermal dysplasia, ectrodactyly, and macular dystrophy and congenial hypotrichosis with juvenile macular dystrophy. This gene is located in the vicinity of similar cadherin genes on chromosome 8. The proprotein is further cleaved into a functional chain. Alternative splicing results in multiple transcript variants.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Molecular Mass	The predicted molecular mass is 86 kDa, and the apparent molecular mass is approximately 110 kDa in SDS-PAGE under reducing conditions.
Endotoxin	< 5 EU per mg of the protein as determined by the LAL method.

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Purity	> 95%, by SDS-PAGE under reducing conditions.
Stability	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
Storage	Store it under sterile conditions at -20 centigrade to -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.1 ug/ul. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.

GENE INFORMATION

Gene Name	Cdh3 cadherin 3 [Mus musculus]
Official Symbol	Cdh3
Synonyms	CDH3; cadherin 3; cadherin-3; placental cadherin; Cadp; Pcad; AI385538; P-cadherin;
Gene ID	12560
mRNA Refseq	NM_001037809
Protein Refseq	NP_001032898
UniProt ID	P10287
Chromosome Location	8 D3; 8 53.16 Cm

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Pathway

Adherens junctions interactions, organism-specific biosystem; Cell adhesion molecules (CAMs), organism-specific biosystem; Cell adhesion molecules (CAMs), conserved biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-specific biosystem; Cell-cell junction organization, organism-specific biosystem;

Function

calcium ion binding;

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