

Recombinant Human CDH3 protein, His/Fc-tagged

CDH3-488H Human(CDH3)

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview	Recombinant Human CDH3(Asp108 - Gly654) fused with His/Fc tag at C-terminal was expressed in NS0.
Source	NS0
Species	Human
Tag	His/Fc
Predicted N Terminal	Asp108
Form	Lyophilized from a 0.2 µm filtered solution in PBS.
Bio-activity	Measured by the ability of the immobilized protein to support the adhesion of A431 human epithelial carcinoma cells. When 1×10^5 cells/well are added to rhP-CAD/Fc Chimera coated plates (10 µg/mL with 100 µL/well), approximately 30-60% will adhere after 1.5 hours at 37° C. Optimal concentration depends on cell type as well as the application or research objectives.
Molecular Mass	Predicted Molecular Mass: 87.4 kDa; SDS-PAGE: 120-130 kDa, under reducing conditions.
Endotoxin	<0.01 EU per 1 µg of the protein by the LAL method.
Purity	>90%, by SDS-PAGE under reducing conditions and visualized by silver stain

PACKAGING

Storage	Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 °C as supplied. 1 month, 2 to 8 °C under sterile conditions after reconstitution. 3 months, -20 to -70 °C under sterile conditions after reconstitution.
Reconstitution	Reconstitute at 100 µg/mL in sterile PBS.

GENE INFORMATION

Gene Name	CDH3 cadherin 3, type 1, P-cadherin (placental) [Homo sapiens]
Official Symbol	CDH3
Synonyms	CDH3; cadherin 3, type 1, P-cadherin (placental); cadherin 3, P cadherin (placental); cadherin-3; CDHP; PCAD; calcium-dependent adhesion protein, placental; HJMD;
GeneID	1001
mRNA Refseq	NM_001793
Protein Refseq	NP_001784
MIM	114021
UniProt ID	P22223
Chromosome Location	16q22.1

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;

REFERENCES

1. Shimoyama, Y. et al. (1989) J. Cell Biol. 109:1787.
2. Bussemakers, M.J.G. et al. (1993) Mol. Biol. Reports 17:123.
3. Overduin, M. et al. (1995) Science 267:386.