

Active Recombinant Human CDH3 protein, His/Fc-tagged

Cat. No. CDH3-488H Lot. No. (See product label)

SPECIFICATION

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| Product Overview | Recombinant Human CDH3(Asp108 - Gly654) fused with His/Fc tag at C-terminal was expressed in NS0. |
| Species | Human |
| Source | Mammalian Cells |
| ProteinLength | 108-654 a.a. |
| 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 x 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 |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70 centigrade as supplied. 1 month, 2 to 8 centigrade under sterile conditions after reconstitution. 3 months, -20 to -70 centigrade 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;

Gene ID 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),

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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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