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Produktinformation



Forschungsprodukte & Biochemikalien



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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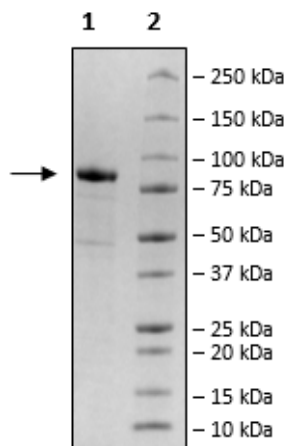
[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Product Information

Description:	Recombinant human cadherin3, also known as CDH3, encompassing amino acids 108-654. This construct contains a C-terminal Avi-Tag™ followed by an His-tag (6xHis). This protein was affinity purified.
Background:	Cadherins are calcium-dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner to connect cells. Cadherin3, also known as CDH3 or P-cadherin, is a type I cadherin, found in the placenta but mostly in epithelial tissues. It plays a role in cell growth and migration. It is implicated in cancer, with high levels in breast cancer being linked to poor prognosis. Soluble cadherin3 can be used as a cancer biomarker. Its role in cancer seems to be context dependent, as in some instances its level seems to correlate with suppressed tumorigenesis. Further studies will allow us to have an in-depth knowledge on the role of this protein in pathologies and to develop therapeutic approaches linked to it.
Species	Human
Construct:	Cadherin3 (108-654-Avi-His)
Concentration:	0.97 mg/ml
Expression System:	HEK293
Purity:	≥90%
Format:	Aqueous buffer solution.
Formulated In:	40 mM Tris, pH 8, 110 mM NaCl, 2.2 mM KCl, and 20% glycerol
MW:	63 kDa + glycans
Glycosylation:	This protein runs at a higher MW by SDS-PAGE due to glycosylation.
Genbank Accession:	NM_001793.6
Stability:	At least 6 months at -80°C.
Storage:	-80°C
Instructions for Use:	Thaw on ice and gently mix prior to use. DO NOT VORTEX. Perform a quick spin before opening. Aliquot into small volumes and flash freeze for long term storage. Avoid multiple freeze/thaw cycles.
Assay Conditions:	This protein was tested using an Alpha-LISA™ binding assay. A 10 µl reaction mix containing E-cadherin in 1x PP-02 Buffer was incubated with Cadherin3, Avi-His-Tag Recombinant for one hour at room temperature. Protein A acceptor beads were added, and the reaction was incubated for 30 minutes, followed by the addition of Nickel Donor beads. A-counts were measured. The net A-count signal is proportional to E-cadherin-Cadherin3 binding.
Applications:	Useful for binding assays.

Quality Control Data

4-20% SDS-PAGE Coomassie Staining



Cadherin3 binding to E-cadherin

