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Datasheet for ABIN7454198

P-Cadherin Protein (CDH3) (AA 108-654) (His tag)

Overview

Quantity:	100 µg
Target:	P-Cadherin (CDH3)
Protein Characteristics:	AA 108-654
Origin:	Cynomolgus
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This P-Cadherin protein is labelled with His tag.

Product Details

Purpose:	Cynomolgus CDH3/Cadherin 3 Protein
Sequence:	Asp108-Gly654
Characteristics:	Recombinant Cynomolgus CDH3/Cadherin 3 Protein is expressed from HEK293 with His tag at the C-Terminus. It contains Asp108-Gly654.
Purity:	> 95 % as determined by Tris-Bis PAGE
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	The affinity constant of 0.37 µM as determined in SPR assay (Biacore T200). See testing image for detail.

Target Details

Target:	P-Cadherin (CDH3)
Alternative Name:	CDH3 (CDH3 Products)
Background:	Placental-Cadherin (CDH3), a cell adhesion molecule, is associated with the function of cells to bind with other cells and the extracellular matrix (ECM). CDH3 is highly expressed in many malignancies, and has been proved it could be a serum marker to monitor colorectal cancer. Inhibited CDH3 expression could upregulate E-cadherin, downregulated N-cadherin, which may control invasion and migration.
Molecular Weight:	61.11 kDa. Due to glycosylation, the protein migrates to 70-80 kDa based on Tris-Bis PAGE result.
NCBI Accession:	XP_005592414

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in 20 mM PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months