

Datasheet for ABIN7597277

P-Cadherin Protein (CDH3) (AA 100-647) (His tag)



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Overview

Quantity:	10 µg
Target:	P-Cadherin (CDH3)
Protein Characteristics:	AA 100-647
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This P-Cadherin protein is labelled with His tag.

Product Details

Purpose:	Recombinant mouse CDH3 protein with C-terminal 10xHis tag
Sequence:	Mouse CDH3(Glu100-Gly647) 10xHis tag
Purity:	The purity of the protein is greater than 80 % as determined by SDS-PAGE and Coomassie blue staining.

Target Details

Target:	P-Cadherin (CDH3)
Alternative Name:	CDH3 (CDH3 Products)
Background:	<p>Cadp, Cdhp, Pcad, P-cadherin</p> <p>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</p>

Target Details

humans results in ectodermal dysplasia, ectrodactyly, and macular dystrophy and congenital 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. [provided by RefSeq, Mar 2013]

Molecular Weight: predicted molecular mass of 61.8 kDa after removal of the signal peptide.

UniProt: [P10287](#)

Application Details

Application Notes: Extracellular Domain Proteins (ECD) can be used as:

- Immunogens for antibody drug development
- Reagents used for CAR-T positive cell monitoring
- Reagents for antibody screening and functional testing
- Reagents for antibody affinity measurement

Comment: The protein was made using HEK293 mammalian cell secretion expression system to ensure the close-to-native structures and post-translational modifications of the target protein.

Restrictions: For Research Use only

Handling

Format: Lyophilized

Buffer: Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization.

Storage: -20 °C,-80 °C

Storage Comment: Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing).
Lyophilized proteins are shipped at ambient temperature.

Expiry Date: 12 months