abcam

Product datasheet

Recombinant Human P cadherin protein ab134872

Description

Product name	Recombinant Human P cadherin protein
Purity	> 90 % SDS-PAGE. ab134872 was expressed in E. coli as inclusion bodies, refolded using a temperature shift inclusion body refolding technology and chromatographically purified.
Expression system	Escherichia coli
Accession	P22223
Protein length	Protein fragment
Animal free	No
Nature	Recombinant
Species	Human
Sequence	MASMTGGQQMGRGHHHHHHGNLYFQGGEFDWVVAPISV PENGKGPFPQRL NQLKSNKDRDTKIFYSITGPGADSPPEGVFAVEKETGWLL LNKPLDREEI AKYELFGHAVSENGASVEDPMNISIIVTDQNDHKPKFTQDT FRGSVLEGV LPGTSVMQVTATDEDDAIYTYNGVVAYSIHSQEPKDPHDL MFTIHRSTGT ISVISSGLDREKVPEYTLTIQATDMDGDGSTTTAVAVVEILD ANDNAPMF DPQKYEAHVPENAVGHEVQRLTVTDLDAPNSPAWRATYL IMGGDDGDHFT ITTHPESNQGILTTRKGLDFEAKNQHTLYVEVTNEAPFVLKL PTSTATIV VHVEDVNEAPVFVPPSKVVEVQEGIPTGEPVCVYTAEDP DKENQKISYRI LRDPAGWLAMDPDSGQVTAVGTLDREDEQFVRNNIYEV MVLAMDNGSPPT TGTGTLLLTLIDVNDHGPVPEPRQITICNQSPVRQVLNITDK DLSPHTSP FQAQLTDDSDIYWTAEVNEEGDTVVLSLKKFLKQDTYDVH LSLSDHGNKE QLTVIRATVCDCHGHVETCPGPWKGG
Predicted molecular weight	63 kDa including tags
Amino acids	108 to 654

Tags	His tag N-Terminus , T7 tag N-Terminus

Specifications

Our Abpromise guarantee covers the use of **ab134872** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE
Form	Liquid

Preparation and Storage

Stability and Storage	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 8.00 Constituent: 0.32% Tris HCl Contains NaCl, EDTA, KCl, arginine, DTT and glycerol.

General Info

Function	Cadherins are calcium dependent cell adhesion proteins. They preferentially interact with themselves in a homophilic manner in connecting cells; cadherins may thus contribute to the sorting of heterogeneous cell types.
Tissue specificity	Expressed in some normal epithelial tissues and in some carcinoma cell lines.
Involvement in disease	Defects in CDH3 are the cause of hypotrichosis with juvenile macular dystrophy (HJMD) [MIM:601553]. HJMD is a rare autosomal recessive disorder characterized by early hair loss heralding severe degenerative changes of the retinal macula and culminating in blindness during the second to third decade of life. Defects in CDH3 are the cause of ectodermal dysplasia with ectrodactyly and macular dystrophy (EEM) [MIM:225280]; also known as EEM syndrome, Albrectsen-Svendsen syndrome or Ohdo-Hirayama-Terawaki syndrome. Ectodermal dysplasia defines a heterogeneous group of disorders due to abnormal development of two or more ectodermal structures. EEM is an autosomal recessive condition characterized by features of ectodermal dysplasia such as sparse eyebrows and scalp hair, and selective tooth agenesis associated with macular dystrophy and ectrodactyly.
Sequence similarities	Contains 5 cadherin domains.
Cellular localization	Cell membrane.

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- Response to your inquiry within 24 hours

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- We investigate all quality concerns to ensure our products perform to the highest standards

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