9853 Pacific Heights Blvd.
Suite D. San Diego,
CA 92121, USA
Tel: 858-263-4982
Email: info@abeomics.com

32-8493: Recombinant Human Cadherin-16/CDH16 (C-6His)(Discontinued)

Gene : CDH16
Gene ID : 1014
Uniprot ID : O75309

Description

Source: Human Cells.
MW :84.6kD.
Recombinant Human Cadherin-16 is produced by our Mammalian expression system and the target gene encoding Pro18-Ala786 is expressed with a 6His tag at the C-terminus. Cadherin-16(CDH16) is a single-pass type I membrane protein which contains six cadherin domains. Mature cadherin proteins consist of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small highly conserved C-terminal cytoplasmic domain. Cadherins are calcium-dependent cell adhesion proteins and may contribute to the sorting of heterogeneous cell types. They preferentially interact with themselves in a homophilic manner in connecting cells. Three calcium ions are usually bound at the interface of each cadherin domain and rigidify the connections, imparting a strong curvature to the full-length ectodomain. CDH16 is exclusively expressed in kidney, where the protein functions as the principal mediator of homotypic cellular recognition. It plays a role in the morphogenic direction of tissue development. CDH16 is composed of an extracellular domain containing 6 cadherin domains, a transmembrane region and a truncated cytoplasmic domain. However, it lacks the prosequence and tripeptide HAV adhesion recognition sequence typical of most classical cadherins.

Product Info

Amount : 10 µg / 50 µg
Content : Lyophilized from a 0.2 µm filtered solution of 20mM PB,150mM NaCl,pH7.4.
Storage condition : Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.
Amino Acid : MPKAQPAELSVEVPENYGGNFPLYLTKLPLPREGAEGQIVLSGDSGKATEGPFAMDPDSGFLLVTRALDREEQA
EYQLQVTLEMQDGHVLWGPQPVLVHVKDENDQVPHFSQAIYRARLSRGTRPGIPFLFLEASDRDEPGTANSDL
RFHILSQAPAQPSPDMFQLEPRLGALALSPKGSTSLDHALERTYQLLVQVKDMGDQASGHQATATVEVSIIEST
WVSLEPIHLAENLKVLYPHHMAQVHWSGGDVHYHLESHPPGPFEVNAEGNLYVTRELDREAQAEYLLQVRAQ
NSHGEDYAAPLELHVLVMDENDNVPICPPRDPTVSIPELSPPGTEVTRLSAEDADAPGSPNSHVVYQLLSPEPE
DGVEGRAFQVDPTSGSVTLGVLPLRAGQNILLLVLAMDLAGAEGGFSSTCEVEVAVTDINDHAPEFITSQIGPIS
LPEDVEPGTLVAMLTAIDADLEPAFRLMDFAIERGDTEGTFGLDWEPDSGHVRLRLCKNLSYEAAPSHEVVVVV
QSVAKLVGPGPGPGATATVTVLVERVMPPPKLDQESYEASVPISAPAGSFLLTIQPSDPISRTLRFSLVNDSEGW
LCIEKFSGEVHTAQSLQGAQPGDTYTVLVEAQDTDEPRLSASAPLVIHFLKAPPAPALTLAPVPSQYLCTPRQDH
GLIVSGPSKDPDLASGHGPYSFTLGPNPTVQRDWRLQTLNGSHAYLTLALHWVEPREHIIPVVVSHNAQMWQL
LVRVIVCRCNVEGQCMRKVGRMKGMPTKLSAVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/Ã□Âµg (1 IEU/Ã□Âµg) as determined by LAL test.

For Research Use Only. Not for use in diagnostic/therapeutics procedures.