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Datasheet for ABIN1691424
OB Cadherin Protein (AA 23-617) (His tag)

Overview

Quantity:	50 µg
Target:	OB Cadherin (CDH11)
Protein Characteristics:	AA 23-617
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This OB Cadherin protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human Cadherin-11/OB-Cadherin/CDH11 (C-6His)
Sequence:	FAPERRGHLR PSFHGHHEKG KEGQVLQRSK RGWVWNQFFV IEEYTGDPDV LVGRLHSDID SGDGNIKYIL SGEAGTIFV IDDKSGNIHA TKTLDREERA QYTLMAQAVD RDTNRPLEPP SEFIVKVQDI NDNPPEFLHE TYHANVPERS NVGTSVIQVT ASDADDPTYG NSAKLVYSIL EGQPYFSVEA QTGIIRTALP NMDREAKEYEY HVVIQAKDMG GHMGGLSGTT KVMITLTDVN DNPPKFPQSV YQMSVSEAAV PGEEVGRVKA KDPDIGENGL VTYNIVDGDG MESFEITTDY ETQEGVIKLG KPVDFTKRA YSLKVEAAV HIDPKFISNG PFKDVTVTKI AVEDAEPMP FLAPSYIHEV QENAAAGTVV GRVHAKDPDA ANSPIRYSID RHTDLDRFFT INPEDGFIKT TKPLDREETA WLNITVFAAE IHNHRQEAKV PVAIRVLDVN DNAPKFAAPY EGFICESDQT KPLSNQPIVT ISADDKDDTA NGPRFIFSLP PEIHNPNFT VRDNRDNTAG VYARRGGFSR QKQDLYLLPI VISDGGIPPM SSTNTLTIKV CGCDVNGALL SCNAEAYILN AGLSTVDHHH HHH
Characteristics:	Recombinant Human Cadherin-11/OB-Cadherin/CDH11 (C-6His)
Purity:	> 95 % as determined by reducing SDS-PAGE.

Product Details

Sterility:	0.2 µm filtered
Endotoxin Level:	Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test

Target Details

Target:	OB Cadherin (CDH11)
Alternative Name:	CDH11 (CDH11 Products)
Background:	<p>Recombinant Human Cadherin 11 Type 2 OB-Cadherin (Osteoblast)/CDH11 is produced by our mammalian expression system in human cells. The target protein is expressed with sequence (Phe23-Thr617) of Human CDH11 fused with a polyhistidine tag at the C-terminus.</p> <p>Cadherin-11 is a type II classical cadherin member of the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Cadherins interact with themselves in a homophilic manner in connecting cells, and thus contribute to the sorting of heterogeneous cell types. Cadherin-11 contains five cadherin domains and is mainly expressed in the brain. Mature cadherin proteins consists of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small highly conserved C-terminal cytoplasmic domain. It is shown that Cadherin-11 is a viable molecular target for therapeutic intervention in Glioblastoma multiforme.</p>
Molecular Weight:	66.63 kDa
UniProt:	Q96CZ9

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	<p>It is not recommended to reconstitute to a concentration less than 100 µg/mL.</p> <p>Dissolve the lyophilized protein in ddH₂O.</p> <p>Please aliquot the reconstituted solution to minimize freeze-thaw cycles.</p>
Buffer:	Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.
Handling Advice:	Always centrifuge tubes before opening. Do not mix by vortex or pipetting.
Storage:	4 °C/-20 °C/-80 °C

Handling

Storage Comment: 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.