

Recombinant Human CDH4 Protein, His/GST-tagged

Cat. No. CDH4-610H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CDH4(Leu667~Asp916) fused with His/GST tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Leu667~Asp916
Description	This gene is a classical cadherin from the cadherin superfamily. The encoded protein is a calcium-dependent cell-cell adhesion glycoprotein comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Based on studies in chicken and mouse, this cadherin is thought to play an important role during brain segmentation and neuronal outgrowth. In addition, a role in kidney and muscle development is indicated. Of particular interest are studies showing stable cis-heterodimers of cadherins 2 and 4 in cotransfected cell lines. Previously thought to interact in an exclusively homophilic manner, this is the first evidence of cadherin heterodimerization. Three transcript variants encoding different isoforms have been found for this gene.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	59.2kDa
Identity	Reconstitute in PBS or others

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%
Applications	Positive Control; Immunogen; SDS-PAGE; WB. If bio-activity of the protein is needed, please check active protein
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Reconstitution	Reconstitute in PBS or others

GENE INFORMATION

Gene Name	CDH4 cadherin 4, type 1, R-cadherin (retinal) [Homo sapiens]
Official Symbol	CDH4
Synonyms	CDH4; cadherin 4, type 1, R-cadherin (retinal); cadherin-4; R Cadherin; R-CAD; R-cadherin; retinal cadherin; cadherin 4, type 1, preproprotein; CAD4; RCAD; FLJ22202; FLJ40547; MGC126700; MGC138355;
Gene ID	1002
mRNA Refseq	NM_001252338

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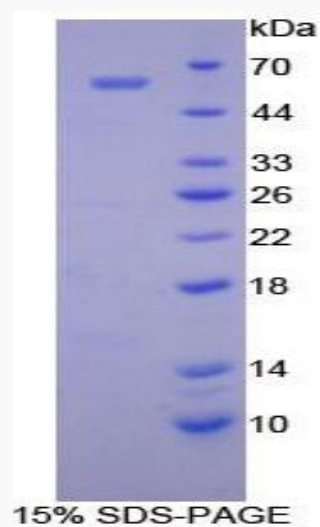
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Protein Refseq NP_001239267

MIM 603006

UniProt ID P55283



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