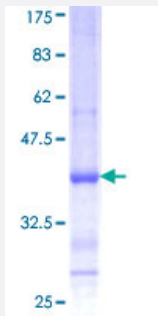


CDH4 (Human) Recombinant Protein (Q01)

Catalog # H00001002-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CDH4 partial ORF (NP_001785, 635 a.a. - 734 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	AADADVDPNIGPYVFELPFVPAAVRKNWTITRLNGDYAQLSLRILYLEAGMYDVPIIVTDSGNPPLS NTSIIKVKVCPCDDNGDCTTIGAVAAAGLGTGA
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Interspecies Antigen Sequence	Mouse (92)
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CDH4

Entrez GeneID [1002](#)

GeneBank Accession# [NM_001794](#)

Protein Accession# [NP_001785](#)

Gene Name CDH4

Gene Alias CAD4, FLJ22202, FLJ40547, MGC126700, MGC138355, RCAD

Gene Description cadherin 4, type 1, R-cadherin (retinal)

Omim ID [603006](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. [provided by RefSeq]

Other Designations OTTHUMP00000031444|R-cadherin|cadherin 4, type 1|cadherin 4, type 1, preproprotein|retinal cadherin

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Cerebral Hemorrhage](#)
- [Chronic Disease](#)
- [Genetic Predisposition to Disease](#)
- [Hypertension](#)
- [Intracranial Hemorrhages](#)
- [Kidney Diseases](#)
- [Stroke](#)
- [Subarachnoid Hemorrhage](#)
- [Tobacco Use Disorder](#)