

Recombinant Full Length Human CDH7 Protein, GST-tagged

Cat. No. CDH7-3151HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH7 full-length ORF (AAH36786, 1 a.a. - 630 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	630 amino acids
Description	This gene encodes a type II classical cadherin of the cadherin superfamily. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the mature glycoprotein. This calcium dependent cell-cell adhesion molecule is comprised of five extracellular cadherin repeats, a transmembrane region and a highly conserved cytoplasmic tail. Type II (atypical) cadherins are defined based on their lack of a histidine-alanine-valine (HAV) cell adhesion recognition sequence specific to type I cadherins. Cadherins mediate cell-cell binding in a homophilic manner, contributing to the sorting of heterogeneous cell types. Mutations in this gene may be associated with bipolar disease in human patients. This gene is present in a gene cluster on chromosome 18. [provided by RefSeq, May 2016]
Molecular Mass	95.04 kDa
AA Sequence	MKLGKVEFCHFLQLIALFLCFSGMSQAELSRSRSPYFQSGRSRTKRSWVWNQFFV LEEYMGSDPLYVGKLHSDVDKGDGSIKYLSEGGASSIFIIDENTGDIHATKRLDREEQ

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AYYTLRAQALDRLTNEPVEPESEFVIKIQDINDNEPKFLDGPYTAGVPEMSPVGTSSV
 QVTATDADDPTYGNSARVVYSILQGQPYFSVEPKTGVIKTALPNMDREAKDQYLLVI
 QAKDMVGQNGGLSGTTSVTVTLTVDNDNPPRFPRRSYQYNVPESLPVASVVARIKA
 ADADIGANAEMEYKIVDGDGLGIFKISVDKETQEGIIQKELDFEAKTSYTLRIEAANK
 DADPRFLSLGPFSDTTTVKIIVEDVDEPPVFSSPLYPMEVSEATQVGNIIGTVAAHDP
 DSSNSPVRYSIDRNTDLERYFNIDANSGVITTAKSLDRETNAIHNITVLAMESQNPQS
 VGRGYVAITILDINDNAPEFAMDYETTVCEAQAQPGQVIQKISAVDKDEPSNGHQFYFS
 LTTDATNNHNFSLKDNKDNNTASILTRRNGFRRQEVSYYLPFIVDSGSPSLSSSTSL
 TIRVCDCCDADGVAQTCNAEAYVLPAGLSTGALIAILACVLTLLGRYCFQGLL

Applications

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

Storage Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name CDH7 cadherin 7, type 2 [Homo sapiens]

Official Symbol CDH7

Synonyms CDH7; cadherin 7, type 2; cadherin-7; CDH7L1;

Gene ID 1005

mRNA Refseq NM_004361

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Protein Refseq	NP_004352
MIM	605806
UniProt ID	Q9ULB5

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