

Recombinant Full Length Human CDH18 Protein, GST-tagged

Cat. No. CDH18-3139HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human CDH18 full-length ORF (AAH31051, 1 a.a. - 790 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	790 amino acids
Description	This gene encodes a type II classical cadherin from the cadherin superfamily of integral membrane proteins that mediate calcium-dependent cell-cell adhesion. Mature cadherin proteins are composed of a large N-terminal extracellular domain, a single membrane-spanning domain, and a small, highly conserved C-terminal cytoplasmic domain. Type II (atypical) cadherins are defined based on their lack of a HAV cell adhesion recognition sequence specific to type I cadherins. This particular cadherin is expressed specifically in the central nervous system and is putatively involved in synaptic adhesion, axon outgrowth and guidance. Alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, May 2014]
Molecular Mass	112.53 kDa
AA Sequence	MKITSTSCICPVLVCLCFVQRCYGTAAHSSIKVMRNQTKHIEGETEVHHRPKRGWV WNQFFVLEE HMGPDPQYVGKLHSNSDKGDGSKYILTGEAGTIFIIDDTTGDIHST KSLDREQKTHYVLHAQAIDRRTNKPPESEFIKVDINDNAPKFTDGPYIVTVPEM

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SDMGTSVLQVTATDADDPTYGNSARVVYSILQGQPYFSVDPKTGVIRTUALHNMDGE
AREHYSVVIQAKDMAGQVGGLSGSTTVNITLTDVNDNTPRFPQKHYQLYVPESAQV
GSAVGKIKANDADTGSNADMTYSIINGDGMGIFSISTDKETREGILSLKKPLNYEKKK
SYTLNIEGANTHLDFRFSHLGPFKDATMLKIIVGDVDEPPLFSMPSYLMEVYENAKIG
TVVGTVLAQDPDSINSLVRYFINYNVEDDRFFNIDANTGTIRTTKVLDREETPWYNITV
TASEIDNPDLLSHVTGIRVLDVNDNPPELAREYDIIVCENSKPGQVIHTISATDKDDF
ANGPRFNFFLDERLPVNPNTLKDNDNTASILTRRRRFSRTVQDVYYLPIMISDGGI
PSLSSSSTLTIRVCACERDGRVVRTCHAEAFSSAGLSTGALIAILLCVLILLAIVLFLITL
RRSKKEPLIISEEDVRENVVITYDDEGGGEEDTGAFDITALRNPSAAEELKYRRDIRPE
VKLTPRHQTSSTLESIDVQEFIKQLAEADLDPSVPPYDSLQTYAYEGQRSEAGSISS
LDSATTQSDQDYHYLGDWGPEFKKLAELYGEIESERTT

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

CDH18 cadherin 18, type 2 [Homo sapiens]

Official Symbol

CDH18

Synonyms

CDH18; cadherin 18, type 2; cadherin-18; CDH14; EY CADHERIN; cadherin-14; ey-cadherin; cadherin-like 24; CDH24; CDH14L;

Gene ID

1016

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mRNA Refseq	NM_001167667
Protein Refseq	NP_001161139
MIM	603019
UniProt ID	Q13634

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