

# Recombinant Full Length Human CDH18 Protein, GST-tagged

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

## SPECIFICATION

<b>Product Overview</b>	Human CDH18 full-length ORF (AAH31051, 1 a.a. - 790 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	790 amino acids
<b>Description</b>	<p>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]</p>
<b>Molecular Mass</b>	112.53 kDa
<b>AA Sequence</b>	<p>MKITSTSCICPVLVCLCFVQRCYGTAAHSSIKVMRNQTKHIEGETEVHHRPKRGWV            WNQFFVLEEHMGPDPQYVVGKLHSNSDKGDGSVKYILTGEAGTIFIIDDTTGDHST            KSLDREQKTHYVLHAQAIDRRTNKPPESEFIIKVDINDNAPKFTDGPYIVTVPEM</p>

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SDMGTSVLQVTATDADDPTYGNSARVVYSILQGQPYFSVDPKTGVIRTUALHNMDGE  
 AREHYSVVIQAKDMAGQVGGLSGSTTVNITLTDVNDNTPRFPQKHYQLYVPESAQV  
 GSAVGKIKANDADTGSNADMTYSIINGDGMGIFSISTDKETREGILSLKKPLNYEKKK  
 SYTLNIEGANTHLDFRFSHLGPFKDATMLKIIIVGDVDEPPLFSMPSYLMEVYENAKIG  
 TVVGTVLAQDPDSINSLVRYFINYNVEDDRFFNIDANTGTIRTTKVLDRRETPWYNITV  
 TASEIDNPDLLSHVTGIRVLDVNDNPPELAREYDIIVCENSKPGQVIHTISATDKDDF  
 ANGRPFNFLLDERLPVNPFTLKDNEANTASILTRRRRFSRTVQDVYYLPIMISDGGI  
 PSLSSSSTLTIRVCACERDGRVRTCHAEAFSSAGLSTGALIAILLCVLILLAIVVLFITL  
 RRSKKEPLIISEEDVRENVVTYDDEGGGEEDTGAFDITALRNPSAAEELKYRRDIRPE  
 VKLTPRHQTSSTLESIDVQEFIKQLAEADLDPSVPPYDSLQTYAYEGQRSEAGSISS  
 LDSATTQSDQDYHYLGDWGPFEFKLAELYGEIESERTT

**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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