

# Product Information

## MemDX™ Membrane Protein Human CDH18 (Cadherin 18) Full Length

Cat. No.: **MPC2501K**

This product is for research use only and is not intended for diagnostic use.

This product is a made-to-order Human CDH18 membrane protein expressed in HEK293. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

### Product Specifications

#### Host Species

Human

#### Target Protein

CDH18

#### Protein Length

Full length

#### Protein Class

Cell adhesion

#### TMD

1

#### Sequence

MKITSTSCICPVLVCLCFVQRCYGTAAHSSIKVMRNQTKHIEGETEVHHR  
PKRGWVWNQFFVLEEHEMGPDPQYVGKLHSNSDKGDGSKYILTGEAGTI  
FIIDDTTGDIIHSTKSLDREQKTHYVLHAQAIDRRTNKPLEPESEFIKQV  
DINDNAPKFTDGPYIVTPEMSDMGTSVLQVTATDADDPTYGNSARVVYS  
ILQGQPYFSVDPKTVIRTUALHNMDREAREHYSVVIQAKDMAGQVGGLSG  
STTVNITLTDVNDNPPRFPQKHLYVPESAQVGSASVGKIKANDADTGSN  
ADMTYSIINGDGMGIFSISTDKETREGILSLKKPLNYEKKKSYTLNIEGA  
NTHLDFRFSHLGPFKDATMLKIIVGDVDEPPLFSMPSYLMEVYENAKIGT  
VVGTVLAQDPDSTNSLVRYFINYNVEDDRFFNIDANTGTIRTTKVLDRREE  
TPWYNITVTASEIDNPDLLSHVTVGIRVLDVNDNPPELAREYDIIVCENS  
KPGQVIHTISATDKDDFANGPRFNFFLDERLPVNPNTLKDNDNTASIL  
TRRRRFSRTVQDVYYLPIMISDGGIPSLSSSSTLTIRVCACERDGRVRTC  
HAEAFSSAGLSTGALIAILLCVLILLAIVVLFITLRRSKKEPLIIEED  
VRENVVTYDDEGGGEEDTEAFDITALRNPSAAEELKYRRDIRPEVKLTTPR  
HQTSSLTESIDVQEFIKQLAEADLDPSVPPYDSLQTYAYEGQRSEAGSI  
SSLDSATTQSDQDYHYLGDWGPFEFKKLAELYGEIESERTT

### Product Description

#### Expression Systems

HEK293

**Tag**

Based on specific requirements

**Protein Format**

Detergent or based on specific requirements (Detergent, Liposome, Nanodisc, Polymer, VLP)

**Form**

Liquid

**Storage**

Aliquot and store at -20°C or lower. For long term storage, we recommend to store at -72°C or lower. Avoid freeze/thaw cycles.

**Target****Target Protein**

CDH18

**Full Name**

Cadherin 18

**Introduction**

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.

**Alternative Names**

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

**Gene ID**

[1016](#)

**UniProt ID**

[Q13634](#)