

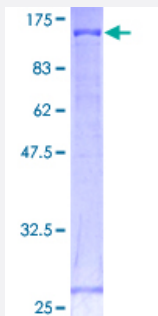
Full-Length

CDH18 (Human) Recombinant Protein (P01)

Catalog # H00001016-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human CDH18 full-length ORF (AAH31051, 1 a.a. - 790 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MKITSTSCICPVLVCLCFVQRCYGTAAHSSIKVMRNQTKHIEGETEVHHRPKRGWVWNQFFVLEE
HMGPDPQYVGKLHSNSDKGDGSVKYILTGEGAGTIFIIDDTGDIHSTKSLDREQKTHYVLHAQAID
RRTNKPPEPESEFIIKVQDINDNAPKFTDGPYVTVPEMSDMGTSVLQVTATDADDPTYGNSARVV
YSILQGQPYFSVDPKTGVIRTUALHNMDGEAREHYSVVIQAKDMAGQVGGLSGSTTVNITLTDVNDN
TPRFPQKHLYQYPESAQVGSVAVGKIKANDADTGSNADMTYSIINGDGMGIFSISTDKETREGILSL
KKPLNYEKKKSYTLNIEGANTHLDFRFSHLGPFKDATMLKIIVGDVDEPPLFSMPSYLMEVYENAKI
GTVVGTVLAQDPDSINSLVRYFINYNVEDDRFFNIDANTGTIRTTKVLDRRETPWYNITVTASEIDNP
DLLSHVTVGIRVLDVNDNPPELAREYDIIVCENSKPGQVIHTISATDKDDFANGPRFNFFLDERLPV
NPNFTLKDNEEDNTASILTRRRRFSRTVQDVYLPIMISDGGIPSLSSSSSTLTIRVCACERDGRVTRCH
AEAFSSAGLSTGALIAILLCVLILLANVLFITLRRSKKEPLIIEEDVRENVVTYDDEGGGEEDTGAF
DITALRNPSAAEELKYRRDIRPEVKLTPRHQTSSSTLESIDVQEFIKQRLAEADLDPSVPPYDSLQTY
AYEGQRSEAGSISSLDATTQSDQDYHYLGDWGPFEKKLAELYGEIESERTT

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

112.53

Interspecies Antigen Sequence

Mouse (96)

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 — CDH18

Entrez GeneID	1016
GeneBank Accession#	BC031051.1
Protein Accession#	AAH31051
Gene Name	CDH18
Gene Alias	CDH14, CDH14L, CDH24, EY-CADHERIN
Gene Description	cadherin 18, type 2
Omim ID	603019
Gene Ontology	Hyperlink

Gene Summary	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. [provided by RefSeq]
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Other Designations

OTTHUMP00000115690|cadherin-14|cadherin-18|cadherin-like 24

Disease

- [Tobacco Use Disorder](#)