

Recombinant Human CDH18 protein, T7/His-tagged

Cat. No. CDH18-47H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant extracellular domain of human CDH18 gene (54-608 aa) fused with 29 N-terminal T7/His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	54-608 a.a.
Form	0.5 mg/ml, sterile-filtered, in 20 mM pH 8.0 Tris-HCl Buffer, with proprietary formulation of NaCl, KCl, EDTA, arginine, DTT and Glycerol.
AA Sequence	MASMTGGQQMGRGRGHHHHHGNLYFQGGFEGWVWNQFFVLEEHMGPDPQYVGK LHSNSDKGDGSKYILTGEAGT IFIIDDTTGDIHSTKSLDREQKTHYVLHAQAIDRR TNKLEPESEFIIKVQDINDNAPKFTDGPYIVTVPEMSDM GTSVLQVTATDADDPTY GNSARVVYSILQQQPYSVDPKTGVIRTUALHNMDREAREHYSVVIQAKDMAGQVGG LS GSTTVNITLTDVNDNPPRFPQKHLYVPESAQVGSVAVGKIKANDADTGSNADM TYSIINGDGMGIFSISTDKET REGILSLKKPLNYEKKKSYTLNIEGANTHLDFRFSHLG PFKDATMLKIIVGDVDEPPLFSMPSYLMVEYENAKIG TVVGTVLAQDPDSTNSLVRY FINYNVEDDRFFNIDANTGTIRTTKVLDRRETPWYNITVTASEIDNPDLLSHVTV GIRV LDVNDNPPELAREYDIIVCENSKPGQVIHTISATDKDDFANGPRFNFFLDERLPVNP FTLKDNEANTASI LTRRRRFSRTVQDVVYLPIMISDGGIPSLSSSSTLTIRVCACERD GRVRTCHAEAFSS
Purity	>90% by SDS-PAGE

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Applications 1. Protein can be used as coating matrix protein for study human neuronal cell / Receptor interaction in vitro. 2. As highly purified protein, may be used as culture matrix protein for human neuronal axon connection study in vitro.

Storage Keep at -20centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.

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](#)

mRNA Refseq [NM_001167667](#)

Protein Refseq [NP_001161139](#)

MIM [603019](#)

UniProt ID [Q13634](#)

Chromosome Location 5p14.3

Pathway Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-

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specific biosystem; Cell-cell junction organization, organism-specific biosystem;

Function

calcium ion binding;

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