

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	MASMTGGQQMGRGRHHHHHGNLYFQGGEFGWVWNQFFVLEEHMGPDPQYVGK LHSNSDKGDGSVKYILTGEAGT IFIIDDTTGDHSTKSLDREQKTHYVLHAQAIDRR TNKPLEPESEFIIKVQDINDNAPKFTDGPYIVTVPEMSDM GTSVLQVTATDADDPTY GNSARVVYSILQGQPYFSVDPKTGVIRTUALHNMDREAREHYSVVIQAKDMAGQVGG LS GSTTVNITLTDVNDNPPRFPQKHLYVPESAQVGSAGVGIKANDADTGSNADM TYSIINGDGMGIFSISTDKET REGILSLKKPLNIEKKKSYTLNIEGANTHLDFRFSHLG PFKDATMLKIIIGDVDEPPLFSMPSYLMEVYENAKIG TVVGTVLAQDPDSTNSLVRY FINYNVEDDRFFNIDANTGTIRTTKVLDREETPWYNITVTASEIDNPDLLSHVTV GIRV LDVNDNPPELAREYDIIVCENSKPGQVIHTISATDKDDFANGPRFNFFLDERLPVNP FTLKDNEANTASI LTRRRRFSRTVQDVYYLPIMISDGGIPSLSSSSTLTIRVCACERD GRVRTCHAEAFLLSS
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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