

## Recombinant Human CDH18 protein, T7/His-tagged

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

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Recombinant extracellular domain of human CDH18 gene (54-608 aa) fused with 29 N-terminal T7/His tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>ProteinLength</b>    | 54-608 a.a.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Form</b>             | 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>AA Sequence</b>      | <p>MASMTGGQQMGRGRHHHHHHGNNLYFQGGEFGWVWNQFFVLEEHMGPDPQYVVGK<br/> LHSNSDKGDGSKYILTGEAGT IFIIDDTGDIHSTKSLDREQKTHYVLHAQAIDRR<br/> TNKPLEPESEFIKQVDINDNAPKFTDGPYIVTVPEMSDM GTSVLQVTATDADDPTY<br/> GNSARVVYSILQGQPYFSVDPKTGVIRTUALHNMDREAREHYSVVIQAKDMAGQVGG<br/> LS GSTTVNITLTDVNDNPPRFPQKHLYVPESAQVGSAGVGIKANDADTGSNADM<br/> TYSIINGDGMGIFSISTDKET REGILSLKKPLNIEKKSYTLNIEGANTHLDFRFSHLG<br/> PFKDATMLKIIIGDVDEPPLFSMPSYLMEVYENAKIG TVVGTVLAQDPDSTNSLVRY<br/> FINYNVEDDRFFNIDANTGTIRTTKVLDREETPWYNITVTASEIDNPDLLSHVTV GIRV<br/> LDVNDNPPELAREYDIIVCENSKPGQVIHTISATDKDDFANGPRFNFFLDERLPVNP<br/> FTLKDNEANTASI LTRRRRFSRTVQDVYYLPIMISDGGIPSLSSSSTLTIRVCACERD<br/> GRVRTCHAEAFLLSS</p> |
| <b>Purity</b>           | >90% by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |

 Tel: 1-631-559-9269    1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)     Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

|                            |                                                                                                                                                                                                                                         |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Applications</b>        | 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. |
| <b>Storage</b>             | Keep at -20centigrade for long term storage. Product is stable at 4 centigrade for at least 30 days.                                                                                                                                    |
| <b>GENE INFORMATION</b>    |                                                                                                                                                                                                                                         |
| <b>Gene Name</b>           | CDH18 cadherin 18, type 2 [ Homo sapiens ]                                                                                                                                                                                              |
| <b>Official Symbol</b>     | CDH18                                                                                                                                                                                                                                   |
| <b>Synonyms</b>            | CDH18; cadherin 18, type 2; cadherin-18; CDH14; EY CADHERIN; cadherin-14; ey-cadherin; cadherin-like 24; CDH24; CDH14L;                                                                                                                 |
| <b>Gene ID</b>             | 1016                                                                                                                                                                                                                                    |
| <b>mRNA Refseq</b>         | NM_001167667                                                                                                                                                                                                                            |
| <b>Protein Refseq</b>      | NP_001161139                                                                                                                                                                                                                            |
| <b>MIM</b>                 | 603019                                                                                                                                                                                                                                  |
| <b>UniProt ID</b>          | Q13634                                                                                                                                                                                                                                  |
| <b>Chromosome Location</b> | 5p14.3                                                                                                                                                                                                                                  |
| <b>Pathway</b>             | Adherens junctions interactions, organism-specific biosystem; Cell junction organization, organism-specific biosystem; Cell-Cell communication, organism-                                                                               |

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

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

**Function**

calcium ion binding;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: [info@creative-biomart.com](mailto:info@creative-biomart.com)  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA