

## Recombinant Mouse Cotl1 Protein, Myc/DDK-tagged

Cat. No. Cotl1-2276M    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                               |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Purified recombinant protein of mouse full-length coactosin-like 1 (Dictyostelium) (Cotl1), with C-terminal MYC/DDK tag, expressed in HEK293T cells.                                                          |
| <b>Species</b>          | Mouse                                                                                                                                                                                                         |
| <b>Source</b>           | HEK293                                                                                                                                                                                                        |
| <b>Description</b>      | Binds to F-actin in a calcium-independent manner. Has no direct effect on actin depolymerization. Acts as a chaperone for ALOX5 (5LO), influencing both its stability and activity in leukotrienes synthesis. |
| <b>Molecular Mass</b>   | 16.4 kDa                                                                                                                                                                                                      |
| <b>Purity</b>           | > 80% as determined by SDS-PAGE and Coomassie blue staining                                                                                                                                                   |
| <b>Stability</b>        | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.                                                                 |
| <b>Storage</b>          | Store at -80 centigrade after receiving vials.                                                                                                                                                                |
| <b>Concentration</b>    | >50 µg/mL as determined by microplate BCA method                                                                                                                                                              |
| <b>Storage Buffer</b>   | 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.                                                                                                                                                         |

### GENE INFORMATION

 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

|                 |                                                                                                    |
|-----------------|----------------------------------------------------------------------------------------------------|
| Gene Name       | Cotl1 coactosin-like 1 (Dictyostelium) [ Mus musculus (house mouse) ]                              |
| Official Symbol | Cotl1                                                                                              |
| Synonyms        | COTL1; coactosin-like 1 (Dictyostelium); coactosin-like protein; Clp; 1810074P22Rik; 2010004C08Rik |
| Gene ID         | 72042                                                                                              |
| mRNA Refseq     | NM_028071                                                                                          |
| Protein Refseq  | NP_082347                                                                                          |
| UniProt ID      | Q9CQI6                                                                                             |

 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