

## Recombinant Human COTL1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. COTL1-6705H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	COTL1 MS Standard C13 and N15-labeled recombinant protein (NP_066972) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
<b>Species</b>	Human
<b>Source</b>	HEK293
<b>Description</b>	This gene encodes one of the numerous actin-binding proteins which regulate the actin cytoskeleton. This protein binds F-actin, and also interacts with 5-lipoxygenase, which is the first committed enzyme in leukotriene biosynthesis. Although this gene has been reported to map to chromosome 17 in the Smith-Magenis syndrome region, the best alignments for this gene are to chromosome 16. The Smith-Magenis syndrome region is the site of two related pseudogenes.
<b>Molecular Mass</b>	15.9 kDa
<b>AA Sequence</b>	MATKIDKEACRAAYNLVRDDGSAVIWVTFKYDGGSTIVPGEQGAEYQHFIQQCTDDV RLFAFVRFTTGDAMSKRSKFALITWIGENVSLQRAKTGTDKTLVKEVVQNFAKEFVI SDRKELEEDFIKSELKKAGGANYDAQTETRTRPLEQKLISEEDLAANDILDYKDDDDK V
<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining
<b>Stability</b>	Stable for 3 months from receipt of products under proper storage and handling

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conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** COTL1 coactosin like F-actin binding protein 1 [ Homo sapiens (human) ]

**Official Symbol** COTL1

**Synonyms** COTL1; coactosin-like 1 (Dictyostelium); coactosin-like protein; CLP; FLJ43657; MGC19733;

**Gene ID** 23406

**mRNA Refseq** NM\_021149

**Protein Refseq** NP\_066972

**MIM** 606748

**UniProt ID** Q14019

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