# Recombinant Human COTL1 Protein, GST-tagged

**Cat. No.** COTL1-1730H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Human COTL1 full-length ORF ( AAH10884, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal. |
| **Species** | Human |
| **Source** | Wheat Germ |
| **Description** | 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. [provided by RefSeq, Jul 2008] |
| **Molecular Mass** | 41.36 kDa |
| **AA Sequence** | MATKIDKEACRAAYNLVRDDGSAVIWVTFKYDGSTIVPGEQGAEYQHFIQQCTDDV RLFAFVRFTTGDAMSKRSKFALITWIGENVSGLQRAKTGTDKTLVKEVVQNFAKEFVI SDRKELEEDFIKSELKKAGGANYDAQTE |
| **Applications** | Enzyme-linked Immunoabsorbent Assay<br>Western Blot (Recombinant protein)<br>Antibody Production<br>Protein Array |

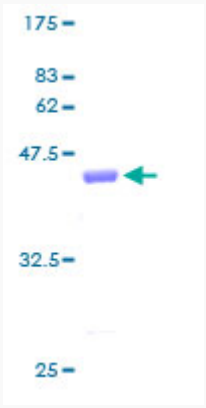
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| **Notes** | Best use within three months from the date of receipt of this protein. |
| **Storage** | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing. |
| **Storage Buffer** | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer. |

## GENE INFORMATION

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| **Gene Name** | COTL1 coactosin-like 1 (Dictyostelium) [ Homo sapiens ] |
| **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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| **Quality Control Testing:** | <br>12.5% SDS-PAGE Stained with Coomassie Blue. |

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