

# Recombinant Full Length Human COTL1 Protein, GST-tagged

Cat. No. COTL1-1990HF Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Human COTL1 full-length ORF ( AAH10884, 1 a.a. - 142 a.a.) recombinant protein with GST-tag at N-terminal.
<b>Species</b>	Human
<b>Source</b>	In Vitro Cell Free System
<b>ProteinLength</b>	142 amino acids
<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. [provided by RefSeq, Jul 2008]
<b>Molecular Mass</b>	41.36 kDa
<b>AA Sequence</b>	MATKIDKEACRAAYNLVRDDGSAVIWVTFKYDGSTIVPGEQGAEYQHFIQQCTDDV RLFVAFVRFRTTGDAMSKRSKFALITWIGENVSLQRAKTGTDKTLVKEVVQNFAKEFVI SDRKELEEDFIKSELKKAGGANYDAQTE
<b>Applications</b>	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein)

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Antibody Production  
Protein Array

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

## GENE INFORMATION

<b>Gene Name</b>	COTL1 coactosin-like 1 (Dictyostelium) [ Homo sapiens ]
<b>Official Symbol</b>	COTL1
<b>Synonyms</b>	COTL1; coactosin-like 1 (Dictyostelium); coactosin-like protein; CLP; FLJ43657; MGC19733
<b>Gene ID</b>	23406
<b>mRNA Refseq</b>	NM_021149
<b>Protein Refseq</b>	NP_066972
<b>MIM</b>	606748
<b>UniProt ID</b>	Q14019

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