

# Recombinant Human Coactosin-Like 1 (Dictyostelium), His-tagged

Cat. No. COTL1-3377H Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant human COTL1 protein, fused to His-tag at N-terminus, was expressed in <i>E.coli</i> and purified by using conventional chromatography techniques. MW = 18.1 kDa (162aa).
<b>Species</b>	Human
<b>Source</b>	E.coli
<b>Description</b>	COTL1 is 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. COTL1 Binds to F-actin in a calcium-independent manner and has no direct effect on actin depolymerization.
<b>Form</b>	Liquid. In 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol 1mM DTT, 0.1M NaCl.
<b>Purity</b>	> 90% by SDS - PAGE.
<b>Concentration</b>	1 mg/ml (determined by Bradford assay).
<b>Sequences Of Amino Acids</b>	MGSSHHHHHH SSSLVPRGSH MATKIDKEAC RAAYNLVRDD GSAVIWVTFK YDGSTIVPGE QGAEYQHFIQ QCTDDVRLFA FVRFTTGDM SKRSKFALIT WIGENVSLQ RAKTGTDKTL VKEVVQNFAK EFVISDRKEL EEDFIKSELK KAGGANYDAQ TE.

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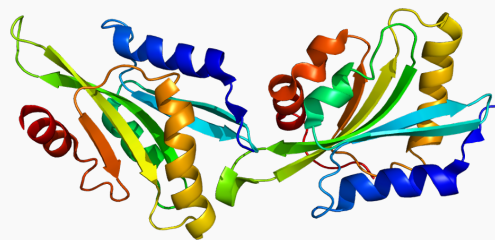
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**Storage** Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.

## GENE INFORMATION


<b>Gene Name</b>	COTL1 coactosin-like 1 (Dictyostelium) [ Homo sapiens ]
<b>Synonyms</b>	CLP; FLJ43657; MGC19733; coactosin-like 1; coactosin-like 1 (Dictyostelium)
<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
<b>Chromosome Location</b>	16q24.1
<b>Function</b>	actin binding; protein binding

PDB rendering based on 1t2l.



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