

## COTL1 Human

**Description:** COTL1 Human Recombinant fused with a 20 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 162 amino acids (1-142 a.a.) and having a molecular mass of 18.1kDa. The COTL1 is purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-071

For research use only.

**Synonyms:** Coactosin-like protein, COTL1, CLP, FLJ43657, MGC19733.

**Source:** Escherichia Coli.

**Physical Appearance:** Sterile Filtered colorless solution.

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MATKIDKEAC RAYNLVRDD  
GSAVIWVTFK YDGSTIVPGE QGAIEYQHFIQ QCTDDVRLFA FVRFTTGDAM SKRSKFALIT  
WIGENVSLGQ RAKTGTDKTL VKEVVQNFAK EFVISDRKEL EEDFIKSELK KAGGANYDAQ TE.

**Purity:** Greater than 90.0% as determined by SDS-PAGE.

**Formulation:**

The COTL1 solution (1 mg/ml) 20mM Tris-HCl buffer (pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.

**Stability:**

COTL1 should be stored desiccated below -18°C. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Please prevent freeze-thaw cycles.

**Usage:**

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drugs, agricultural or pesticidal products, food additives or household chemicals.

**Introduction:**

Coactosin-like protein (COTL1) is one of the numerous actin-binding proteins which regulate the actin cytoskeleton. COTL1 binds F-actin, it also interacts with 5-lipoxygenase, which is the first committed enzyme in leukotriene biosynthesis. COTL1 binds to F-actin in a calcium-independent way and has no direct effect on actin depolymerization.

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