

AR09798PU-L

Human Coactosin-like protein (1-142, His-tag) - Purified

Alternate names:

CLP, COTL1

Quantity:

0.5 mg

Concentration:

1.0 mg/ml (determined by Bradford assay)

Background:

Coactosin-like protein (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.

Uniprot ID:

[Q14019](#)

NCBI:

[NP_066972](#)

GeneID:

[23406](#)

Species:

Human

Source:

E. coli

Format:

State: Liquid purified protein

Purity: >90%

Buffer System: 20mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1mM DTT, 0.1M NaCl

Description:

Recombinant human COTL1 protein, fused to His-tag at N-terminus, was expressed in E.coli and purified by using conventional chromatography techniques.

AA Sequence:

MGSSHHHHHH SSGLVPRGSH MATKIDKEAC RAAYNLVRDD GSAVIWTFK YDGSTIVPGE
QGAEQHFQI QCTDDVRLFA FVRFTTGDM SKRSKFALIT WIGENVSLQ RAKTGTDKTL
VKEVVQNFAK EFVISDRKEL EEDFIKSELK KAGGANYDAQ TE

Molecular weight: 18.1 kDa (162aa), confirmed by MALDI-TOF

Storage:

Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

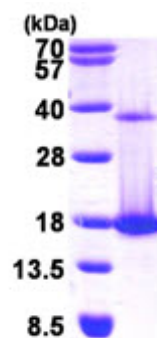
Shelf life: one year from despatch.

General Readings:

Rakonjac M., et al. (2006) Proc Natl Acad Sci U S A. 103(35):13150-5.

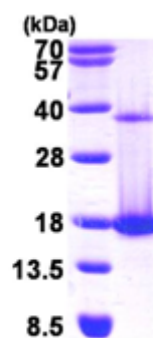
Provost P., et al. (2001) Biochem J. 359(2):255-63.

Pictures:



15% SDS-PAGE (3ug)

Recombinant human COTL1, 1-142 aa, His-tagged



15% SDS-PAGE (3ug)