

## CUL1 Human

**Description:** CUL1 produced in E.Coli is a single, non-glycosylated polypeptide chain containing 430 amino acids (1- 410a.a.) and having a molecular mass of 49.4kDa. CUL1 is fused to a 20 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

**Catalog #:** PRPS-275

For research use only.

**Synonyms:** Cullin 1, CUL-1, Cullin-1

**Source:** Escherichia Coli.

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

**Amino Acid Sequence:** MGSSHHHHHH SSGLVPRGSH MSSTRSQNPH GLKQIGLDQI  
WDDLRAIGQQ VYTRQSMAS RYMELYTHVY NYCTSVHQS QARGAGVPPS KSKKGQTPGG  
AQFVGLLEYK RLKEFLKNYL TNLKDGEDL MDESVLKFYT QQWEDYRFSS KVLNGICAYL  
NRHWVRRECD EGRKGIYEIY SLALVTWRDC LFRPLNKQVT NAVLKIEKE RNGETINTRL  
ISGVVQSYVE LG

**Purity:** Greater than 95% as determined by SDS-PAGE.

**Formulation:**

The CUL1 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 100mM NaCl and 10% glycerol.

**Usage:**

NeoBiolabs 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:**

Cullin1, is an essential component of multiple cullin-RING-based SCF (SKP1-CUL1-F-box protein) E3 ubiquitin-protein ligase complexes, that facilitate the ubiquitination of proteins which take part in cell cycle progression, signal transduction and transcription. In the SCF complex. Cullin1 assists in a rigid scaffold which organizes the SKP1-F-box protein and RBX1 subunits. Cullin1 contributes to catalysis by positioning of the substrate and the ubiquitin-conjugating enzyme.

**Storage:**

Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. Please avoid freeze thaw cycles.

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