
Product Data Sheet

Product Name: CUL1 Human

Cat. No.: GP23276

Batch No.: 1

Product Data

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cullin 1; CUL-1; Cullin-1		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSSTRSQNPH GLKQIGLDQI WDDLRAIGIQQ VYTRQSMAS RYMELYTHVY NYCTSVHQSN QARGAGVPPS KSKKGQTPGG AQFVGGLELYK RLKEFLKKNYL TNLKDGEDL MDESVLKFYT QWEDYRFSS KVLNGICAYL NRHWVRRECD EGRKGIYEIY SLALVTWRDC LFRPLNKQVT NAVLKIEKE RNGETINTRL ISGVVQSYVE LGLNEDDAFA KGPTLTVYKE SFESQFLADT ERFYTRESTE FLQQNPVTEY MKKAEARLLE EQRRVQVYLH ESTQDELARK CEQVLIEKHL EIFHTEFQNL LDADKNE DLG RMYNLVSRIQ DGLGELKKLL ETHIHNQGLA AIEKCGEAL NDPKMYVQTV LDVHKKYNAL VMSAFNNDAG FVAALDKACG RFINNNAVTK		
Formulation	The CUL1 protein solution (1mg/1ml) is formulated in 20mM Tris-HCl buffer (pH8.0) 1mM DTT, 100mM NaCl and 10% glycerol.		

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.

Stability

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.

Background

Caution: Product has not been fully validated for medical applications. For research use only.

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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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.

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