

Recombinant Human CUL3 protein, GST-tagged

Cat. No. CUL3-322H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human CUL3 fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	Wheat Germ
Description	This gene encodes a member of the cullin protein family. The encoded protein plays a critical role in the polyubiquitination and subsequent degradation of specific protein substrates as the core component and scaffold protein of an E3 ubiquitin ligase complex. Complexes including the encoded protein may also play a role in late endosome maturation. Mutations in this gene are a cause of type 2E pseudohypoaldosteronism. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene
Form	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Molecular Mass	115.3 kDa
AA Sequence	MSNLSKGTGSRKDTKMRIRAFPMTMDEKYVNSIWDLLKNAIQEIQRKNNSGLSFEEL YRNAYTMVLHKHGEKLYT GLREVVTEHLINKVREDVLNSLNNNFLQTLNQAWNDHQ TAMVMIRDILMYMDRVYVQQNNVENVYNLGLIIFRDQ VVRYGCIRDHLRQTLLDMIA RERKGEVVDRGAIRNACQMLMILGLEGRSVYEEDFEAPFLEMSAEFFQMESQKFL A ENSASVYIKKVEARINEEIERVMHCLDKSTEEPIVKVVERELISKHMKTIVEMENSGLV HMLKNGKTEDLGCMY KLFSRVPNGLKTMCECMSSYLREQGKALVSEEGEGKNPV

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

DYIQGLLDLKSRLFDRFLLESFNNDRLFQTIAGDFE YFLNLNSRSPEYLSLFIDDKLK
 KGVKGLTEQEVETILDKAMVLFRFMQEKDVFERYKQHLARRLLTNKSVSDDS EKN
 MISKLKTECGCQFTSKLEGMRDMSISNTTMDEFHQHLQATGVSLGGVDLTVRVLT
 TGYWPTQSATPKCNIP PAPRHAFAIFRRFYLAHSGRQLTLQHHMGSADLNATFYG
 PVKKEDGSEVGVGGAQVTGSNTRKHILQVSTFQMT ILMLFNNREKYTFEEIQQETDI
 PERELVRALQSLACGKPTQRVLTKEPKSKEIENGHIFTVNDQFTSKLHRVKIQ TVAA
 KQGESDPERKETRQKVDDDRKHEIEAAIVRIMKSRKKMQHNVLVAEVTQQLKARFL
 PSPVVIKKRIEGLIE REYLARTPEDRKVYTYVA

Applications

Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);
 Antibody Production; Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name

CUL3 cullin 3 [Homo sapiens]

Official Symbol

CUL3

Synonyms

CUL3; cullin 3; cullin-3; CUL-3; PHA2E; FLJ25665;

Gene ID

8452

mRNA Refseq

NM_003590

Protein Refseq

NP_003581

MIM

603136

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

UniProt ID	Q13618
Chromosome Location	2q36.2
Pathway	ATF-2 transcription factor network, organism-specific biosystem; Adaptive Immune System, organism-specific biosystem; Antigen processing: Ubiquitination and Proteasome degradation, organism-specific biosystem; Aurora B signaling, organism-specific biosystem; Canonical Wnt signaling pathway, organism-specific biosystem; Class I MHC mediated antigen processing &.
Function	cyclin binding; protein binding; ubiquitin protein ligase binding; contributes_to ubiquitin-protein ligase activity;

 Tel: 1-631-559-9269 1-516-512-3133 Email: info@creative-biomart.com  Fax: 1-631-938-8127 45-1 Ramsey Road, Shirley, NY 11967, USA