

Recombinant Full Length Human CUL3 Protein, GST-tagged

Cat. No. CUL3-592HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant full length Human CUL3 fused with GST tag at N-terminal was expressed in Wheat Germ.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	768 amino acids
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	MSNLSKGTGS RKDTKMRIRA FPMTMDEKYV NSIWDLLKNA IQEIQRKNNNS GLSFEELYRN AYTMTVLHKHG EKLYTGLREV VTEHLINKVR EDVLNSLNNN FLQTLNQAWN DHQTAMVMIR DILMYMDRVY VQQNNVENVY NLGLIIFRDQ VVRYGIRDH LRQTLLDMIA RERKGEVVDR GAIRNACQML MILGLEGRSV

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YEEDFEAPFL EMSAEFFQME SQKFLAENSA SVYIKKVEAR INEEIERVMH
 CLDKSTEEPI VKVVERELIS KHMKTIVEME NSGLVHMLKN GKTEDLGCMY
 KLFSRVPNGL KTMCECMSSY LREQGKALVS EEGEGKNPVD YIQGLLDLKS
 RFDRFLLESF NNDRLFQTI AGDFEYFLNL NSRSPEYLSL FIDDKLKKGV
 KGLTEQEVET ILDKAMVLFR FMQEKDVFER YYKQHLARRL LTNKSVSDDS
 EKNMISKLKT ECGCQFTSKL EGMFRDMSIS NTTMDEFQRH LQATGVSLGG
 VDLTVRVLTT GYWPTQSATP KCNIPPAPRH AFEIFRRFYL AKHSGRQLTL
 QHHMGSADLN ATFYGPVKKE DGSEVGVGGA QVTGSNTRKH ILQVSTFQMT
 ILMLFNNREK YTFEEIQQET DIPERELVRA LQSLACGKPT QRVLTKEPKS
 KEIENGHIFT VNDQFTSKLH RVKIQTVAQK QGESDPERKE TRQKVDDDRK
 HEIEAAIVRI MKSRKKMQHN VLVAEVTQQL KARFLPSPVV IKKRIEGLIE
 REYLARTPED RKVYTYVA

Applications

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

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

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MIM	603136
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UniProt ID	Q13618
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