

Recombinant Human CUL5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. CUL5-1475H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	CUL5 MS Standard C13 and N15-labeled recombinant protein (NP_003469) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	Core component of multiple SCF-like ECS (Elongin-Cullin 2/5-SOCS-box protein) E3 ubiquitin-protein ligase complexes, which mediate the ubiquitination and subsequent proteasomal degradation of target proteins. As a scaffold protein may contribute to catalysis through positioning of the substrate and the ubiquitin-conjugating enzyme. The functional specificity of the E3 ubiquitin-protein ligase complex depends on the variable substrate recognition component. ECS(SOCS1) seems to direct ubiquitination of JAK2. Seems to be involved in proteasomal degradation of p53/TP53 stimulated by adenovirus E1B-55 kDa protein. May form a cell surface vasopressin receptor.
Molecular Mass	91 kDa
AA Sequence	MATSNLLKNKGSLQFEDKWDFMRPIVLKLLRQESVTKQQWFDFSDVHAVCLWDD KGPAAIHQALKEDILEFIKQAQARVLSHQDDTALLKAYIVEWRKFFTQCDILPKPFCQL EITLMGKQGSNKKSNVEDSIVRKMLMLDTWNESIFSNIKNRLQDSAMKLVHAERLGEA FDSQLVIGVRESYVNLCSNPEDKLQIYRDNFEKAYLDSTERFYRTQAPSYLQQNGVQ

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NYMKYADAKLKEEEKRALRYLETRECNSVEALMECCVNALVTSFKETILAECQGM
 KRNTEKLHLMFSLMDKVPNGIEPMLKDLEEHIISAGLADMVAAAETITTDSEKYVEQ
 LLTLFNRFSLVKEAFQDDPRFLTARDKAYKAVVNDATIFKLELPLKQKGVGLKTQPE
 SKCEPELLANYCDMLLRKTPLSKKLTSEEIEAKLKEVLLVLKYVQNKDVFMRYPHKAHLT
 RRLILDISADSEIEENMVEWLREVGMPADYVNLARMFQDIKVSIEDLNQAFKEMHKN
 NKLALPADSVNIKILNAGAWSRSSEKVFVSLPTELEDLIPEVEEFYKKNHSGRKLHWH
 HLMSNGIITFKNEVGQYDLEVTTFLAVLFAWNQRPREKISFENLKLATELPDAELRR
 TLWSLVAFPKLRQVLLYEPQVNSPKDFTEGTLFSVNQEFSLIKNAKVQKRGKINLIG
 RLQLTTERMREEENEGIVQLRILRTQEAIQIMKMRKKISNAQLQTELVEILKNMFLPQ
 KKKMIKEQIEWLIEHKYIRRDESDINTFIYMATRTRPLEQKLISEEDLAANDILDYKDDDD
 KV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name CUL5 cullin 5 [Homo sapiens (human)]

Official Symbol CUL5

Synonyms CUL5; cullin 5; cullin-5; VACM 1; CUL-5; Vasopressin-activated calcium-mobilizing receptor-1; vasopressin-activated calcium-mobilizing receptor 1; Cullin-5

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(vasopressin-activated calcium-mobilizing receptor-1); VACM1; VACM-1;

Gene ID 8065

mRNA Refseq NM_003478

Protein Refseq NP_003469

MIM 601741

UniProt ID Q93034

SDS-PAGE



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