

Product datasheet for **TP309273M**

Cullin 5 (CUL5) (NM_003478) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Homo sapiens cullin 5 (CUL5), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC209273 protein sequence Red =Cloning site Green =Tags(s) |

MATSNLLKNKGS LQFEDKWDFMRPIVLKLLRQESVTKQQWFDLFSVDHAVCLWDDKGPAAKIHQALKEDIL
EFIKQAQARVLSHQDDTALLKAYIVEWRKFFTCQDILPKPFCQLEITLMGKQGSNKKSNVEDSIVRKLML
DTWNESIFSNIKNRLQDSAMKLVHAERLGEAFDSQLVIGVRESYVNLCSNPEDKLQIYRDNFEKAYLDST
ERFYRTQAPSYLQQNGVQNYMKYADAKLKEEEKRALRYLETRRECNSVEALMECCVNALVTSFKETILAE
CQGMIKRNETEKLHLMFSLMDKVPNGIEPMLKDLEEHIISAGLADMVAAAETITTDSEKYVEQLLTLFNR
FSKLVKEAFQDDPRFLTARDKAYKAVVNDATIFKLELPLKQKGVGLKTQPESKCELLANYCDMLLRKTP
LSKKLTSSEEI EAKLKEVLLVLKYVQNKDVMRYHKAHLTRRLIDISADSEIEENMV EWLREVGMPADYV
NKLARMFQDIKVS EDLNQAFKEMHKNKLALPADSVNIKILNAGAWSRSSEKVFVSLPTELEDL IPEVEE
FYKKNHSGRKLHWHHLM SNGIITFKNEVGQYDLEVTT FQLAVLFAWNQRPREKISFENLKLATELPDAEL
RRTLWLSLVAFPKLRQVLLYEPQVNSPKDFTEGTLFSVNQEFSLIKNAKVQKRGKINLIGRLQLTTERMR
EEENEGIVQLRILRTQEAI IQIMKMRKKISNAQLQTELVEILKNMFLPQKKMIKEQIEWLIEHKYIRRDE
SDINTFIYMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

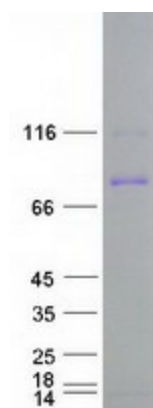
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 90.8 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |



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| Storage: | Store at -80°C. |
| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_003469 |
| Locus ID: | 8065 |
| UniProt ID: | Q93034 |
| RefSeq Size: | 6408 |
| Cytogenetics: | 11q22.3 |
| RefSeq ORF: | 2340 |
| Synonyms: | CUL-5; VACM-1; VACM1 |
| Summary: | 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.[UniProtKB/Swiss-Prot Function] |
| Protein Families: | Druggable Genome |
| Protein Pathways: | Ubiquitin mediated proteolysis |

Product images:



Coomassie blue staining of purified CUL5 protein (Cat# [TP309273]). The protein was produced from HEK293T cells transfected with CUL5 cDNA clone (Cat# [RC209273]) using MegaTran 2.0 (Cat# [TT210002]).