

Product datasheet for TP510611

Cul5 (NM_027807) Mouse Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Purified recombinant protein of Mouse cullin 5 (Cul5), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug
Species:	Mouse
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>MR210611 representing NM_027807 Red=Cloning site Green=Tags(s)

MRS~~L~~AWAGRGD~~H~~VAGKPEEARLPGTSSALTARRSGVPRIPRRGLRGPAGNPGLSRRPGPERRQVSPRLAR
VQVENMATS~~N~~LLKNK~~G~~SLQFEDK~~W~~DFMHP~~I~~V~~L~~KLLRQESVTKQ~~W~~FDL~~F~~SDVH~~A~~VCLWDDK~~G~~SSK~~I~~HQAL
KEDILEFIKQAQARVLSHQDDTALLKAYIVEWRKFF~~T~~QC~~D~~ILPKPFCQLEVTLLGKQSSN~~K~~SNM~~E~~DSIV
RKLMLDTW~~N~~ESIFS~~N~~IKNRLQDSAMKLVHAERLGEAFDSQLVIGVRESYVNLCSNPEDK~~L~~QIY~~R~~DNFEKA
YLDSTERFYRTQAPSYLQ~~Q~~NGVQ~~N~~YMKYADAKLKEEEKRALRYLETRRECNSVEALMECCV~~N~~ALVTSFKE
TILAE~~C~~QGM~~I~~KRNETEKLHLMFSLMDKVPNGIEPMLKDLEEHISAGLADMVAAAETIT~~T~~DSEKYVEQLL
TLFN~~R~~FSKLVKEAFQDDPRFLTARDKAYAVVNDATIFKLELPLKQKGVGLKTQPESKCEPELLANYCDML
LRKTPLSKKLTSEEIEAKLKEVLLVLKYVQNKDVF~~M~~RYHKAHLTRRLILDISADSEIEENMVEWLREVGM
PADYV~~N~~KLARMFQDIK~~V~~SEDLNQAFKEMHKNNKLALPADSVNIKILNAGAWSRSEKVFVSLPTELEDLI
PEVEEFYKKNHSGRKLHWHHLMSNGIITFKNEVGQYDLEVTTFQLAVLFAWNQRPREKISFENLKLATEL
PDAELRRTLW~~S~~LVAFPK~~L~~KRQVLLYDPQVNSPKDFTEGTLFSVNQDFSLIKNAKVQKRGKINLIGRLQLT
TERMREEENEGIVQLRILRTQEAIQIMKMRKKISNAQLQTELVEILKNMFLPQKKMIKEQMEW~~L~~IEHRY
IRRDEADINTFIYMA

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag:	C-MYC/DDK
Predicted MW:	99.5 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
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 after receiving vials.
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_082083
Locus ID:	75717
UniProt ID:	Q9D5V5 , G3X914 , Q2M4H5
RefSeq Size:	6023
Cytogenetics:	9 A5.3
RefSeq ORF:	2565
Synonyms:	4921514I20Rik; 8430423K24Rik; AI852817; C030032G03Rik; C330021I08Rik; VACM-1; VACM1
Summary:	Core component of multiple SCF-like ECS (Elongin BC-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]