



# Recombinant Rat Anaphase-promoting complex subunit 5 (Anapc5)

<b>Product Code</b>	CSB-BP001700RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	A1L1K3
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	<p>MMTNGVVHAN LFGIKDWVTP YKIAVLVLLN EMGRTGEGAV SLVERRKLNQ            LLLPLLQGPD ITLSKLYKLI EESCPQLANS VQIRIKLMAE GELKDLEQFF            DDLSDFSFGT EPEVHKTSVV GLFLRHMILA YSKLSFSQVF KLYTALQQYF            QNGEKKTVED ADMDREDGER QMEKEELDVS VREEEVSCSG            PLSQKQAEFF LSQQAALLKN DETKALTPAS LQKELNLLK FNPDFAEAHY            LSYLNNLRVQ DVFSSTHLL HYFDRLITG AEGKSNNGEEG YGRSLRYAAL            NLAALHCRFG HYQQAELALQ EAIRIAQESN DHVCLQHCLS WLYVLGQKRA            DSYVLEHSV KKAVHFGLPR AFAGKTANKL MDALKDSDLL HWKHSLSELI            DISIAQKTAI WRLYGRSTMA LQQAQMLLSM NSLESLSAGV QQNNTESFAV            ALCHLAELHA EQGCFAAAGE VLKHLKERFP PNSQHAQLWM LCDQKIQFDR            AMNDGKFHLA DSLVTGITAL NGIEGVYRKA VVLQAQNQMT EAHKLLQKLL            TYCQKLNTE MVISVLLSVA ELYWRSSSPT IAMPVLEAL ALSKEYRLQY            LASETVLNLA YAQLLIGIPE QALTLHMAI EPILADGAIL DKGRAMFLVS            KCQVASAASY DPVKKAEALE AAIQNLTEAK NYFAKVDCRE RIRDVSYFQA            RLYHALGKTQ ERNHCAMVFR QLHQELPSHG VPLINHL</p>
<b>Source</b>	Baculovirus
<b>Target Names</b>	Anapc5
<b>Protein Names</b>	Recommended name: Anaphase-promoting complex subunit 5 Short name= APC5 Alternative name(s): Cyclosome subunit 5
<b>Expression Region</b>	1-727
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full length protein
<b>Target Details</b>	<p>This gene encodes a tetratricopeptide repeat-containing component of the anaphase promoting complex/cyclosome (APC/C), a large E3 ubiquitin ligase that controls cell cycle progression by targeting a number of cell cycle regulators such as B-type cyclins for 26S proteasome-mediated degradation through ubiquitination. The encoded protein is required for the proper ubiquitination function of APC/C and for the interaction of APC/C with transcription coactivators. It also interacts with polyA binding protein and represses internal ribosome entry site-mediated translation. Multiple transcript variants encoding</p>



different isoforms have been found for this gene. These differences cause translation initiation at a downstream AUG and result in a shorter protein (isoform b), compared to isoform a.

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**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

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**Shelf Life**

The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.