



Recombinant Rat Anaphase-promoting complex subunit 5 (Anapc5)

Product Code	CSB-MP001700RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	A1L1K3
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	MMTNGVVHAN LFGIKDWVTP YKIAVLVLLN EMGRTGEGAV SLVERRKLNQ LLLPLLQGPD ITLSKLYKLI EESCPQLANS VQIRIKLMAE GELKDLEQFF DDLSDSFSGT EPEVHKTSVV GLFLRHMILA YSKLSFSQVF KLYTALQQYF QNGEKKTVED ADMDREDGER QMEKEELDVS VREEEVSCSG PLSQQAQAEFF LSQQAALLKN DETKALTPAS LQKELNLLK FNPDFAEAHY LSYLNLRVQ 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
Source	Mammalian cell
Target Names	Anapc5
Protein Names	Recommended name: Anaphase-promoting complex subunit 5 Short name= APC5 Alternative name(s): Cyclosome subunit 5
Expression Region	1-727
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full length protein
Target Details	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



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.

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.

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.