

Product datasheet for **SC123753**

ANAPC13 (BC005398) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ANAPC13 (BC005398) Human Untagged Clone
Tag:	Tag Free
Symbol:	ANAPC13
Synonyms:	anaphase promoting complex subunit 13; APC13; cyclosome subunit 13; DKFZp566D193; homolog of yeast Swm1; SWM1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for BC005398 edited

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GCAGGAGCAAGCGTCTGCCCGGTGGCCGGTGGCCGATTGACAAGATCAAAGCTGCAGG
AAAATGGACAGTGAGGTTGAGAGATGGAAGGATCTTGGATTTGATTGATGATGCTTGG
CGAGAAGACAAGCTGCCTTATGAGGATGTCGCAATACCACTGAATGAGCTTCTGAACCT
GAACAAGACAATGGTGGCACCACAGAATCTGTCAAAGAACAAGAAATGAAGTGGACAGAC
TTAGCCTTACAGTACCTCCATGAGAATGTTCCCCCATTTGGAAACTGACGCTTGGCTCCT
TTCTTGTGGATGGATTTTCTCAAAGTACACAGATAAAGCACGGTTTGTTCAGTCTCCAA
ATTCAAACCTTTGAGTAATAAATCAGCACTCAAAAATGTACACCCATTTAGTTTGTGGTA
GCAAAGTGCAATGCGAAATTGAATGAGAACTGAGATTTCTCAGTAATGGTGAATATTTT
GCTCTTTAAACCTAAAACCTTTCATTGAGTAGCTTATATTTGAACATGATTGGTTAAACA
TTTGCCTCTACCTCTGATTTTGTCTTGTCAAAGTTTAAACACCTTCCAACCTTATG
TGTGCTCCTGTAAACACAGGTGATTGAACGTATGAGAGGGAAAGGCAAAGAAAAAGGAAGCC
AGACACTAGGAGAATTATTAACCTTCTCATACTTCCCACATTGAGAAGCATTCCGGAGTGT
ATTTAGCCTGTAGATGTTGTGATATGCAAATATCCCATTCCCTGGTTACTGGCATTCCCTA
AGATTCTTCATGGTATTTTCAAACCTTTGGATAAATTTACAGATTAGAAAGATATCTGACA
GTTAATCTCTGTTCTCCTTACAAATTCCTTTTGTGCTGCTGGAAAGGATCTTTGGCTAGG
TGGATGACTAGTTTTATTCAAAGCCTTTTCTCAAAGCCCTTTTCAGTTACAACACCCAC
TATGGAATCAGTATTTAGTTATACATTTGTATAAGAACCTGTATTTTGA AAAACACATTC
ATGTATATTTATCTGGAATTTTGCCTGTTAAACAGTGTCTTTTCATGTTCTCTCCCC
AGATTGAAAACCTGTAGAAGCTGCTTGATCTGTATCCCTTGTGAAACTCTGAAAAC
ACTGAATAACTAAAATCTTCTCATCCTTACAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
A
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5' Read Nucleotide Sequence:	>OriGene 5' read for BC005398 unedited AGTCAGAAATTTGTATACGACTCATATAGGCGGCCGCGNAATTCGCCATTACGGCCGGG GGCAGGAGCAAGCGTCTGCCGCGGTGGCCGGTGGCCGATTTGACAAGATCAAAGCTGCAG GAAAATGGACAGTGAGGTTCCAGAGAGATGGAAGGATCTTGGATTTGATTGATGATGCTTG GCGAGAAGACAAGCTGCCTTATGAGGATGTCGCAATACCACTGAATGAGCTTCTGAACC TGAACAAGACAATGGTGGCACCACAGAATCTGTCAAAGAACAAGAATGAAGTGGACAGA CTTAGCCTTACAGTACCTCCATGAGAATGTTCCCCCATTGGAACTGACGCTTGGCTCC TTTCTTGTGGATGGATTTTCTCAAAGTACACAGATAAAGCACGGTTTGTTCAGTCTCCA AATTCAAACCTTTGAGTAATAAAATCAGCACTCAAAAATGTACACCATTTAGTTTGTGGT AGCAAAGTGAATGCGAAATGAATGAGAACTGAGATTTCTCAGTAATGGTGAATATTT CGCTCTTTAAACCTAANACTCTTCATTGAGTAGCTTATATTTGAACATGATTGGTTAAAC ATTTGCCTCTACCTCTGATTTTGTCTTGTGTCAAAGTTAAACACCTTCCAACACTTAT GTGTGCTCTGACACAGGTGATTGAACGTATGAGAGGGGAAGGCANNAGAAAAGGAGCC AGACACTAGGAGAATTATTAACCTCTCATACTTCCCACATTTGAGAGCATTCCGAGTGT ATTTAGCTGTAGATGTTGTGATATGCAAATATCCATTCCTGGNTACTGGCATTCCCTA GATTCTTCATGAATTTTCAACTTTTGGATAATTTACCGATTANAAGGAATTCTGACAGT AAACTCTGGTCTCCTACAATTCCTTTGG
Restriction Sites:	Please inquire
ACCN:	BC005398
Insert Size:	1201 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none"> 1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>BC005398.1, AAH05398.1</u>
RefSeq Size:	1201 bp
Locus ID:	25847
Cytogenetics:	3q22.2
Protein Pathways:	Cell cycle, Oocyte meiosis, Progesterone-mediated oocyte maturation, Ubiquitin mediated proteolysis

Gene Summary:

This gene encodes a component of the anaphase promoting complex, a large ubiquitin-protein ligase that controls cell cycle progression by regulating the degradation of cell cycle regulators such as B-type cyclins. The encoded protein is evolutionarily conserved and is required for the integrity and ubiquitin ligase activity of the anaphase promoting complex. Pseudogenes and splice variants have been found for this gene; however, the biological validity of some of the splice variants has not been determined. [provided by RefSeq, Nov 2008]