

## Recombinant Human ANAPC10 protein, GST-tagged

**Cat. No.** ANAPC10-541H    **Lot. No.** (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | Human ANAPC10 full-length ORF ( AAH05217.1, 1 a.a. - 185 a.a.) recombinant protein with GST-tag at N-terminal.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Source</b>           | Wheat Germ                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Description</b>      | ANAPC10 is a core subunit of the anaphase-promoting complex (APC), or cyclosome, a ubiquitin protein ligase that is essential for progression through the cell cycle. APC initiates sister chromatid separation by ubiquitinating the anaphase inhibitor securin (PTTG1; MIM 604147) and triggers exit from mitosis by ubiquitinating cyclin B (CCNB1; MIM 123836), the activating subunit of cyclin-dependent kinase-1 (CDK1; MIM 116940) (summary by Wendt et al., 2001 [PubMed 11524682]).[supplied by OMIM, Feb 2011] |
| <b>Molecular Mass</b>   | 47.7 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>AA Sequence</b>      | MTTPNKTPPGADPKQLERTGTVREIGSQAVWSLSSCKPGFGVDQLRDDNLETYWQ<br>SDGSQPHLVNIQFRRKTTVKTLCIYADYKSDESYTPSKISVRVGNNFHNLQEIRQLEL<br>VEPSGWIHVPLTDNHKKPTRTFMIQIAVLANHQNGRDTHMRQIKIYTPVEESSIGKFP<br>RCTTIDFMMYRSIR                                                                                                                                                                                                                                                                                                                     |
| <b>Applications</b>     | Enzyme-linked Immunoabsorbent Assay; Western Blot (Recombinant protein);<br>Antibody Production; Protein Array                                                                                                                                                                                                                                                                                                                                                                                                            |

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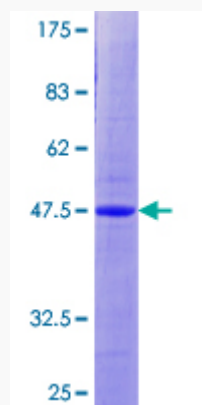
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|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | Best use within three months from the date of receipt of this protein.                                                                                  |
| <b>Storage</b>          | Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.                                                                                |
| <b>Storage Buffer</b>   | 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.                                                                                |
| <b>GENE INFORMATION</b> |                                                                                                                                                         |
| <b>Gene Name</b>        | ANAPC10 anaphase promoting complex subunit 10 [ Homo sapiens ]                                                                                          |
| <b>Official Symbol</b>  | ANAPC10                                                                                                                                                 |
| <b>Synonyms</b>         | ANAPC10; anaphase promoting complex subunit 10; anaphase-promoting complex subunit 10; APC10; DKFZP564L0562; DOC1; cyclosome subunit 10; DKFZp564L0562; |
| <b>Gene ID</b>          | 10393                                                                                                                                                   |
| <b>mRNA Refseq</b>      | NM_001256706                                                                                                                                            |
| <b>Protein Refseq</b>   | NP_001243635                                                                                                                                            |
| <b>MIM</b>              | 613745                                                                                                                                                  |
| <b>UniProt ID</b>       | Q9UM13                                                                                                                                                  |

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12.5% SDS-PAGE Stained with Coomassie Blue.

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