

## Cyclin-dependent kinase 16 Human Recombinant

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| <b>Item Number</b>                       | rAP-1739                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Synonyms</b>                          | Cyclin-Dependent Kinase 16, PCK1, Serine/Threonine-Protein Kinase, &nbsp;Serine/Threonine-Protein Kinase PCK1, Cell Division Protein Kinase 16, PCK1 Protein Kinase 1, PCK1, PCK1, PCK1, PCK1, EC 2.7.11.22, EC 2.7.11, PCK1-Motif Protein Kinase 1, PCK1                                                                                                                                                                    |
| <b>Description</b>                       | CDK16 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 362 amino acids (158-496aa) and having a molecular mass of 41.1kDa.CDK16 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.                                                                                                                                       |
| <b>Uniprot Accession Number</b>          | Q00536                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Amino Acid Sequence</b>               | MGSSHHHHH SSGLVPRGSH MSGFGKLET YIKLDKLGEG TYATVYKGKS KLTDNLVALK EIRLEHEE-<br>GA PCK1REVS LKDLKHANIV TLHDIHTEK SLTLVFEYLD KDLKQYLDGC GNIINMHNVK LFLFQLLRGL<br>AYCHRQKVLH RDLKPQNLLI NERGLKLAD FGLARAKSIP TKTYSNEVVT LWYRPPDILL GSTDYSTQID<br>MWGVGCIFYE MATGRPLFPG STVEEQLHFI FRILGTPTEE TWPGILSNEE FKTYNYPKYR AEALL-<br>SHAPR LDSDGADLLT KLLQFEGRNR ISAEDAMKHP FFLSLGERIH KLPDTSIFA LKEIQLQKEA SLRS-<br>SSMPDS GRPAFRVVDV EF |
| <b>Source</b>                            | Escherichia Coli.                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Physical Appearance and Stability</b> | Sterile Filtered clear solution. Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time.For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Please avoid freeze thaw cycles.                                                                                                                                                            |
| <b>Formulation and Purity</b>            | CDK16 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol. Greater than 95% as determined by SDS-PAGE.                                                                                                                                                                                                                                                                            |
| <b>Application</b>                       |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Solubility</b>                        |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Biological Activity</b>               |                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Shipping Format and Condition</b>     | Lyophilized powder at room temperature.                                                                                                                                                                                                                                                                                                                                                                                      |

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**