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**Product Data Sheet**


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Product Name: CDK16 Human  
 Cat. No.: GP22448  
 Batch No.: 1

**Product Data**

Purity	>98%	Source	Escherichia Coli.
Physical Appearance	solid	Shipping Condition	Shipped with Ice Packs.
Synonyms	Cyclin-Dependent Kinase 16; PCK1; Serine/Threonine-Protein Kinase; Serine/Threonine-Protein Kinase PCKAIRE-1; Cell Division Protein Kinase 16; PCKAIRE Protein Kinase 1; PCKAIRE; PCKGAIRE; EC 2.7.11.22; EC 2.7.11; PCKAIRE-Motif Protein Kinase 1; PCKAIRE1.		
Amino Acid Sequence	MGSSHHHHHH SGLVPRGSH MSGFGKLET YIKLDKLGEG TYATVYKGKS KLTDNLVALK EIRLEHEEGA PCKAIREVSL LKDLKHANIV TLHDIIHTEK SLTLVFEYLD KDLKQYLDDC GNIINMHNVK LFLFQLLRGL AYCHRQKVLH RDLKPQNLLI NERGELKLAD FGLARAKSIP TKTYSNEVVT LWYRPPDILL GSTDYSTQID MWGVGCIFYE MATGRPLFPG STVEEQLHFI FRILGTPTEE TWPGILSNEE FKTYNYPKYR AEALLSHAPR LDSDGADLLT KLLQFEGNR ISAEDAMKHP FFLSLGERIH KLPDTSIFA LKEIQLQKEA SLRSSMPDS GRPAFRVVDV EF		
Formulation	CDK16 protein solution (1mg/ml) containing 20mM Tris-HCl buffer (pH 8.0), 0.1M NaCl and 10% glycerol.		

**Introduction**

CDK16 is a member of the CDK family of serine/threonine protein kinases which are known to regulate the cell cycle. These proteins have a core kinase domain flanked by unique amino- and carboxy- terminal domains. CDK16, which is expressed mainly in mammalian brain, cooperates with an assortment of proteins, and is a part of a multiple signal transduction cascade.

**Stability**

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%

**Caution: Product has not been fully validated for medical applications. For research use only.**

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Address: 10292 Central Ave. #205, Montclair, CA, USA

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HSA or BSA). Please avoid freeze thaw cycles.

### Background

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.

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