

Product datasheet for PH302736

CDK7 (NM_001799) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	CDK7 MS Standard C13 and N15-labeled recombinant protein (NP_001790)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC202736
Predicted MW:	39.1 kDa
Protein Sequence:	>RC202736 protein sequence Red =Cloning site Green =Tags(s) MALDVKSRAKRYEKLDLFLGEGQFATVYKARDKNTNQIIVAIAIKKIKLGRSEAKDGINRTALREIKLLQELS HPNIIIGLLDAFGHKSNI SLVDFMETDLEVI IKDNSLV LTPSHIKAYMLMTLQGLEYLHRHWILHRDLKP NNLLLDENGV LKLADFLAKSFGSPN RAYTHQVVTRWYRAPELLFGARMYGVGVDMWAVGCILAELLRV PFLPGSDLDQLTRIFETLGTPTTEEQWPDMSLPDYVTFKSFPGIPLHHIFSAAGDLDL LIQGLFLFNP CARITATQALMKKYFSNRPGPTPGCQLPRPNCPVETLKEQSNPALAIKRRTEALEQGGLPKKLIF TRTRPLEQKLI SEEDLAANDILDYKDDDDKV
Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- ¹³ C ₆ , ¹⁵ N ₄]-L-Arginine and [U- ¹³ C ₆ , ¹⁵ N ₂]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_001790</u>
RefSeq Size:	1534
RefSeq ORF:	1038
Synonyms:	CAK; CAK1; CDKN7; HCAK; MO15; p39MO15; STK1
Locus ID:	1022



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UniProt ID: [P50613](#), [A0A0S2Z3F9](#)

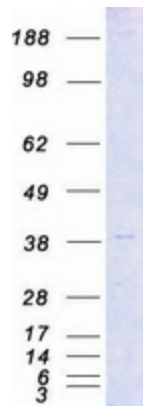
Cytogenetics: 5q13.2

Summary: The protein encoded by this gene is a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are highly similar to the gene products of *Saccharomyces cerevisiae* *cdc28*, and *Schizosaccharomyces pombe* *cdc2*, and are known to be important regulators of cell cycle progression. This protein forms a trimeric complex with cyclin H and MAT1, which functions as a Cdk-activating kinase (CAK). It is an essential component of the transcription factor TFIID, that is involved in transcription initiation and DNA repair. This protein is thought to serve as a direct link between the regulation of transcription and the cell cycle. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Protein Kinase, Stem cell - Pluripotency, Transcription Factors

Protein Pathways: Cell cycle, Nucleotide excision repair

Product images:



Coomassie blue staining of purified CDK7 protein (Cat# [TP302736]). The protein was produced from HEK293T cells transfected with CDK7 cDNA clone (Cat# [RC202736]) using MegaTran 2.0 (Cat# [TT210002]).