

## Product datasheet for PH312592

### CDK8 (NM\_001260) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	CDK8 MS Standard C13 and N15-labeled recombinant protein (NP_001251)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC212592
Predicted MW:	53.1 kDa
Protein Sequence:	>RC212592 representing NM_001260 Red=Cloning site Green=Tags(s)

MDYDFKVKLSSERERVELFEYEGCKVGRGTGTYGHVYKAKRKDGKDDKDYALKQIEGTGISMSACREIALL  
RELKHPNVISLQKVFLSHADRKVWLLFDYAEHDLWHI IKFHRASKANKKPVQLPRGMVKSLLYQILDGIH  
YLHANWVLRDLK PANILVMGEGPERGRVKIADMGFARLFNSPLKPLADLDPVVVTFWYRAPELLLGARH  
YTKAIDIWAIGCIFAELLTSEPIFHCRQEDIKTSNPYHHDQLDRIFNVMGFADKDWEDIKKMPEHSTLM  
KDFRRNTYTNCSLIKYMEKHKVKPDSKAFHLLQKLLTMDPIKRITSEQAMQDPYFLEDPLPTSDVFAGCQ  
IPYPKREFL TEEEPDDKGDKNQQQQGNNHTNGTGHPGNQDSSHTQGPPLKVRVVPPTTSSGGLIMTSD  
YQRSNPHAAAYPNP GPSTSQPQSSMGYSATSQQPPQYSHQTHRY

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- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-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_001251</u>
RefSeq Size:	1772
RefSeq ORF:	1389
Synonyms:	IDDHBA; K35



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Locus ID: 1024

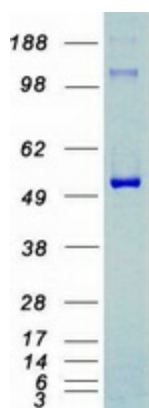
UniProt ID: [P49336](#)

Cytogenetics: 13q12.13

**Summary:** This gene encodes a member of the cyclin-dependent protein kinase (CDK) family. CDK family members are known to be important regulators of cell cycle progression. This kinase and its regulatory subunit, cyclin C, are components of the Mediator transcriptional regulatory complex, involved in both transcriptional activation and repression by phosphorylation of the carboxy-terminal domain of the largest subunit of RNA polymerase II. This kinase regulates transcription by targeting the cyclin-dependent kinase 7 subunits of the general transcription initiation factor IIH, thus providing a link between the Mediator complex and the basal transcription machinery. Multiple pseudogenes of this gene have been identified. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Oct 2016]

**Protein Families:** Druggable Genome, Protein Kinase, Transcription Factors

### Product images:



Coomassie blue staining of purified CDK8 protein (Cat# [TP312592]). The protein was produced from HEK293T cells transfected with CDK8 cDNA clone (Cat# [RC212592]) using MegaTran 2.0 (Cat# [TT210002]).