

## Product datasheet for PH323416

### CCK4 (PTK7) (NM\_152880) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	PTK7 MS Standard C13 and N15-labeled recombinant protein (NP_690619)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC223416
Predicted MW:	110.7 kDa
Protein Sequence:	>RC223416 representing NM_152880 Red=Cloning site Green=Tags(s)

MGAARGSPARPRRLPLLSVLLLPLLGQTAIIVFIKQPSSQDALQGRRALLRCEVEAPGPVHVYWLDDGA  
PVQDTERFAQGSLSFAAVDRLQDSGTFQCVARDDVTGEEARSANASFNKWIIEAGPVVVKHPASEAEI  
QPQTQVTLRCHIDGHRPTYQWFRDGTPLSDGQSNHTVSSKERNLTLRPAGPEHSGLYSCAHSFAGQAC  
SSQNFTLSIADESFARVVLAPQDVVARYEAMFHCQFSAQPPPSLQWLFEDETPITNRSRPPHLRRATV  
FANGSLLLTVRPRNAGIYRCIGQGQRGPPPIILEATLHLAEIEDMPLFEPVFTAGSEERVTCCLPPKGLP  
EPSVWWEHAGVRLPTHGRVYQKGHELVLANIAESDAGVYTCHAAANLAGQRQDVNITVATVPSWLKKPQD  
SQLEEGKPGYLDCLTQATPKPTVWYRNQMLISEDSESRFEVFKNGTLRINSVEYDGTWYRCSSTPAGSI  
EAQARVQVLDGSSLPEWVTDNAGTLHFARVTRDDAGNYTCIASNGPQQGIRAHVQLTVAVFITFKVEPER  
TTVYQGHNTALLQCEAQGDPKPLIQWKGKDRILDPTKLGPRMHIFQNGSLVIHDVAPEDSGRYTCIAGNSC  
NIKHTEAPLYVVDKPVPEESEGPGSPPPYKMIQTIGLSVGAAYIYIIVLGLMFYCKKRCKAKRLKQPE  
GEEPEMECLNGGPLQNGQPSAEIQEEVALTSLGSGPAATNKRHSTSDKMHFPRSSLQPIITLTKSEFGEV  
FLAKAQGLEEGVAETLVKSLQSKDEQQQLDFRRELEMFGLNHNANVRLGLCREAEPHYMVLEYVDL  
GDLKQFLRISKDEKLKSQLSTKQKVALCTQVALGMEHLSNNRFVHKDLAARNCLVSAQRQVKVSALG  
LSKDVYNSEYYHFRQAWVPLRWMSPEAILEGDFSTKSDVWAFGVLWMEVFTHGEMPHGGQADDEVLADLQ  
AGKARLPQPEGCP SKLYRLMQRCWALSPKDRPSFSEIASALGDSTVDSKP

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.



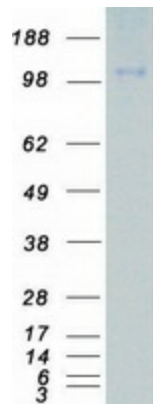
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Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_690619</a>
RefSeq Size:	4129
RefSeq ORF:	3090
Synonyms:	CCK-4; CCK4
Locus ID:	5754
UniProt ID:	<a href="#">Q13308</a>
Cytogenetics:	6p21.1

**Summary:** This gene encodes a member of the receptor protein tyrosine kinase family of proteins that transduce extracellular signals across the cell membrane. The encoded protein lacks detectable catalytic tyrosine kinase activity, is involved in the Wnt signaling pathway and plays a role in multiple cellular processes including polarity and adhesion. Alternatively spliced transcript variants encoding multiple isoforms have been observed for this gene. [provided by RefSeq, Jul 2012]

**Protein Families:** Druggable Genome, Protein Kinase, Transmembrane

### Product images:



Coomassie blue staining of purified PTK7 protein (Cat# [TP323416]). The protein was produced from HEK293T cells transfected with PTK7 cDNA clone (Cat# [RC223416]) using MegaTran 2.0 (Cat# [TT210002]).