

## Product datasheet for PH317022

### HCK (NM\_002110) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HCK MS Standard C13 and N15-labeled recombinant protein (NP_002101)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC217022
Predicted MW:	59.6 kDa
Protein Sequence:	>RC217022 representing NM_002110 Red=Cloning site Green=Tags(s)  MGRSSCEDPGCPRDEERAPRMGCMKSKFLQVGGNTFSKTETSASPHCPVYVPDPTSTIKPGPNSHNSNT PGIREAGSEDIIVVALYDYEAIHHEDLSFQKGDQMVVLEESGEWWKARSLATRKEGYIPSNYVARVDSLE TEEWFFKGISRKDAERQLLAPGNMLGSFMIRDSETTKGSYSLSVRDYDPRQGDYKHYKIRTLDNNGFYI SPRSTFSTLQELVDHYKKGNDGLCQKLSVPCMSKPKPWEKDAWEIPRESLKLEKKGAGQGFGEVWMAT YKHTKVAVKTMKPGSMSVEAFLAEANVMKTLQHDKLVKLHAVVTKEPIYIITEFMAKGSLLDFLKSDEG SKQPLPKLIDFSAQIAEGMAFIEQRNYIHRDLRAANILVSASLVCKIADFGARVIEDNEYTAREGAKFP IKWTAPEAINFGSFTIKSDVWSFGILLMEIVTYGRIPYPGMSNPEVIRALERGYRMPRPENCPPEELYNIM MRCWKNRPEERPTFEYIQSVLDDFYTATESQYQQQP  TRTRPLEQKLISEEDLAANDILDYKDDDDKV
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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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_002101</u>
RefSeq Size:	2168
RefSeq ORF:	1578



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**Synonyms:** JTK9; p59Hck; p61Hck

**Locus ID:** 3055

**UniProt ID:** [P08631](#)

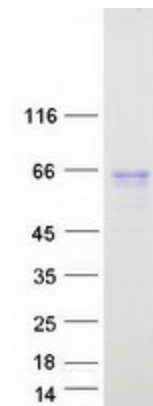
**Cytogenetics:** 20q11.21

**Summary:** The protein encoded by this gene is a member of the Src family of tyrosine kinases. This protein is primarily hemopoietic, particularly in cells of the myeloid and B-lymphoid lineages. It may help couple the Fc receptor to the activation of the respiratory burst. In addition, it may play a role in neutrophil migration and in the degranulation of neutrophils. Multiple isoforms with different subcellular distributions are produced due to both alternative splicing and the use of alternative translation initiation codons, including a non-AUG (CUG) codon. [provided by RefSeq, Feb 2010]

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

**Protein Pathways:** Chemokine signaling pathway, Fc gamma R-mediated phagocytosis

### Product images:



Coomassie blue staining of purified HCK protein (Cat# [TP317022]). The protein was produced from HEK293T cells transfected with HCK cDNA clone (Cat# [RC217022]) using MegaTran 2.0 (Cat# [TT210002]).