

## Product datasheet for PH300039

### HEMK1 (NM\_016173) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	HEMK1 MS Standard C13 and N15-labeled recombinant protein (NP_057257)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200039
Predicted MW:	38.2 kDa
Protein Sequence:	>RC200039 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MELWGRMLWALLSGPGRRGSTRGWAFSSWQPQPLAGLSSAIELVSHWTGVFEKRGIPAEARSESSEYIVAH  
VLGAKTFQSLRPALWTQPLTSQQQLQCIRELSSRRLQRMPVQYILGEWDFQGLSLRMVPPVFIPRPETEEL  
VEWVLEEVAQRSHAVGSPGSPILILEVGC GSGAISLSLLSQLPQSRVIAVDKREAAISLTHENAQRLRLQD  
RIWIHLDMTSERSWTHLPWGPMDLIVSNPPYVFHQDMEQLAPEIRSYEDPAALDGGEEMDIITHILAL  
APRLLKDSGSIFLEVDPRHPELVSSWLQSRPDLYLNLVAVRRDFCGRPRFLHIRRSGP

**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><a href="#">NP_057257</a></u>
RefSeq Size:	5862
RefSeq ORF:	1014
Synonyms:	HEMK; MPRMC; MTQ1
Locus ID:	51409



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UniProt ID: [Q9Y5R4](#), [A0A140VK98](#), [B2RA37](#)

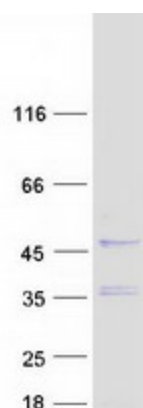
Cytogenetics: 3p21.31

Summary: N5-glutamine methyltransferase responsible for the methylation of the glutamine residue in the universally conserved GGQ motif of the mitochondrial translation release factor MTRF1L. [UniProtKB/Swiss-Prot Function]

Protein Families: Druggable Genome

Protein Pathways: Androgen and estrogen metabolism, Histidine metabolism, Selenoamino acid metabolism, Tyrosine metabolism

### Product images:



Coomassie blue staining of purified HEMK1 protein (Cat# [TP300039]). The protein was produced from HEK293T cells transfected with HEMK1 cDNA clone (Cat# [RC200039]) using MegaTran 2.0 (Cat# [TT210002]).