

## Product datasheet for **TP300039**

### HEMK1 (NM\_016173) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human HemK methyltransferase family member 1 (HEMK1), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC200039 protein sequence <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MELWGRMLWALLSGPGRRGSTRGWAFSSWQPQPPLAGLSSAIELVSHWTGVFEKRGIPARESSEYIVAH  
VLGAKTFQSLRPALWTQPLTSQQLQCIRELSSRRLQRMPVQYILGEWDFQGLSLRMVPPVFIPPETEEL  
VEWVLEEVAQRSHAVGSPGSPILILEVGC GSGAISLSLLSQLPQSRVIAVDKREAAISLTHENAQRLRLQD  
RIWIIHLDMTSERSWTHLPWGPMDLIVSNPPYVFHQDMEQLAPEIRSYEDPAALDGGEEGMDIITHILAL  
APRLLKDSGSIFLEVDPRHPELVSSWLQSRPDLYLNLVAVRRDFCGRPRFLHIRRSGP

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

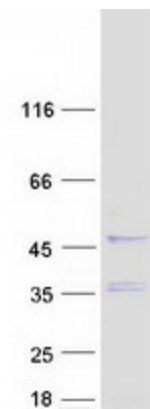
Tag:	C-Myc/DDK
Predicted MW:	38.1 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u><a href="#">NP_057257</a></u>
Locus ID:	51409



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UniProt ID:	<a href="#">Q9Y5R4</a>
RefSeq Size:	5862
Cytogenetics:	3p21.31
RefSeq ORF:	1014
Synonyms:	HEMK; MPRMC; MTQ1
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]).