

Recombinant Human HEMK1 protein, GST-tagged

Cat. No. HEMK1-186H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HEMK1 fused with GST tag at N-terminal was expressed in Insect cells.
Species	Human
Source	Insect Cells
Description	HEMK1 belongs to the HemK methyltransferase family, members of which are found in genomes from bacteria to humans. HEMK1 methylates the glutamine residue in the GGQ motif of HMRF1L, a human mitochondrial release factor, and plays an important regulatory role in translation termination process.
Form	50mM Tris-HCl, pH 7.5, 150mM NaCl, 10mM glutathione, 0.1mM EDTA, 0.25mM DTT, 0.1mM PMSF, 25% glycerol.
Molecular Mass	65 kDa
Applications	Methyltransferase Assay
Storage	Store product at –70 centigrade. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

GENE INFORMATION

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Gene Name	HEMK1 HemK methyltransferase family member 1 [Homo sapiens]
Official Symbol	HEMK1
Synonyms	HEMK1; HemK methyltransferase family member 1; hemK methyltransferase family member 1; MTQ1; m.HsaHemKP; HEMK homolog 7kb; HEMK; FLJ22320;
Gene ID	51409
mRNA Refseq	NM_016173
Protein Refseq	NP_057257
UniProt ID	Q9Y5R4
Chromosome Location	3p21
Pathway	Histidine metabolism, organism-specific biosystem; Histidine metabolism, conserved biosystem; Tyrosine metabolism, organism-specific biosystem; Tyrosine metabolism, conserved biosystem;
Function	DNA binding; N-methyltransferase activity; protein methyltransferase activity; transferase activity;

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