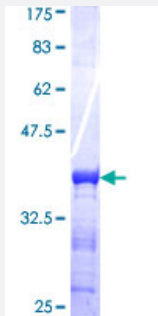


CMPK2 (Human) Recombinant Protein (Q01)

Catalog # H00129607-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human CMPK2 partial ORF (NP_997198, 151 a.a. - 250 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	GACQEAPRPHLGEFEADPRGQLWQRLWEVQDGRRLQVGCAQVVPVPEPPLHPVVPDLPSSV VFPDREAARAVLEECSFIPEARAVLDLVDQCPKQIQKG
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	36.74
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — CMPK2

Entrez GeneID [129607](#)

GeneBank Accession# [NM_207315](#)

Protein Accession# [NP_997198](#)

Gene Name CMPK2

Gene Alias TYKi, UMP-CMPK2

Gene Description cytidine monophosphate (UMP-CMP) kinase 2, mitochondrial

Gene Ontology [Hyperlink](#)

Gene Summary Mitochondrial UMP-CMP kinase (EC 2.7.2.14) is a component of the salvage pathway for nucleotide synthesis. Other enzymes of the salvage pathway include thymidine kinase-2 (TK2; MIM 188250), deoxynucleotidase-2 (NT5M; MIM 605292), deoxyguanosine kinase (DGUOK; MIM 601465), adenylate kinase-2 (AK2; MIM 103020), adenylate kinase-3 (AK3; MIM 609290), adenylate kinase-3-like-1 (AK3L1; MIM 103030), and nucleoside diphosphate kinase (NME4; MIM 601818) (Xu et al., 2008 [PubMed 17999954]).[supplied by OMIM]

Other Designations UMP-CMP kinase 2|cytidylate kinase 2|mitochondrial UMP-CMP kinase|thymidylate kinase family LPS-inducible member

Pathway

- [Metabolic pathways](#)
- [Pyrimidine metabolism](#)

Disease

- [Tobacco Use Disorder](#)