

Recombinant Human PCK2 protein, His-tagged

Cat. No. PCK2-3016H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human PCK2 protein(NP_001018083)(292-640 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	292-640 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.). 5 % trehalose and 5 % mannitol are added as protectants before lyophilization.
AA Sequence	AGKKRYVAAAFPSACGKTNLAMMRPALPGWKVECVGDDIAWMRFDSEGRRLRAINP ENGFFGVAPGTSATTNPAMATIQSNTIFTNVAETSDGGVYWEGIDQPLPPGVTVTS WLGKPKWPGDKPECAHPNSRFCAPARQCPIMDPAWEAPEGVPIDAIIFGGRRPKG PLVYEAFNWRHG VFVGSAMRSESTAAAEHKGKIIMHDPFAMRPFFGYNFGHYLEH WLSMEGRKGAQLPRIFHVNWFRRDEAGHFLWPGFGENARVLDWICRRLEGEDSA RETPIGLVPKEGALDLSGLRAIDTTQLFSLPKDFWEQEVRDIRSYLTEQVNQDLPKEV LAELEALERRVHKM
Purity	95%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage.
 Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage (see Stability and Storage for more details).
 If a different concentration is needed for your purposes please adjust the reconstitution volume as required (please note: the ion concentration of the final solution will vary according to the volume used).
 Note: Centrifuge vial before opening. When reconstituting, gently pipet and wash down the sides of the vial to ensure full recovery of the protein into solution.

GENE INFORMATION

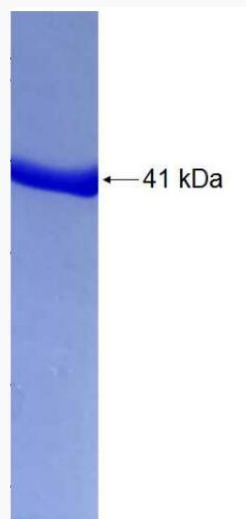
Gene Name	PCK2 phosphoenolpyruvate carboxykinase 2, mitochondrial [Homo sapiens (human)]
Official Symbol	PCK2
Synonyms	PCK2; phosphoenolpyruvate carboxykinase 2, mitochondrial; PEPCK; PEPCK2; PEPCK-M; phosphoenolpyruvate carboxykinase [GTP], mitochondrial; PEP carboxykinase; phosphopyruvate carboxylase
Gene ID	5106
mRNA Refseq	NM_001018073.2
Protein Refseq	NP_001018083
UniProt ID	Q16822

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SDS-PAGE

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