

Recombinant Human UCP1 protein, His-tagged

Cat. No. UCP1-2916H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human UCP1 protein(1-307 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-307 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
AA Sequence	MGGLTASDVHPTLGVQLFSAGIAACLADVITFPLDTAKVRLQVQGECPTSSVIRYKG VLGTITAVVKTEGRMKLYSGLPAGLQRQISSASLRIGLYDTVQEFLTAGKETAPSLGS KILAGLTTGGVAVFIGQPTEVVKVRLQAQSHLHGKIPRYTGTYNAYRIATTEGLTGL WKGTTPNLMRSVIINCTELVTYDLMKEAFVKNNILADDVPCHLVSALIAGFCATAMSS PVDVVKTRFINSPPGQYKSVPCAMKVFTNEGPTAFFKGLVPSFLRLGSWNVIMFV CFEQLKRELSKSRQTMDCAT
Purity	80%, 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 containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw

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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.

GENE INFORMATION

Gene Name UCP1 uncoupling protein 1 (mitochondrial, proton carrier) [Homo sapiens]

Official Symbol UCP1

Synonyms UCP1; uncoupling protein 1 (mitochondrial, proton carrier); UCP; mitochondrial brown fat uncoupling protein 1; SLC25A7; thermogenin; solute carrier family 25 member 7;

Gene ID 7350

mRNA Refseq NM_021833

Protein Refseq NP_068605

MIM 113730

UniProt ID P25874

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