

Recombinant Full Length Dog Mitochondrial Brown Fat Uncoupling Protein 1(Ucp1) Protein, His-Tagged

Cat. No. RFL7527CF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Dog Mitochondrial brown fat uncoupling protein 1(UCP1) Protein (Q9GMZ1) (1-309aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Dog
Source	E.coli
ProteinLength	Full Length (1-309)
Form	Lyophilized powder
AA Sequence	MLRAPGSDAPPTLSVRIAAAAGAAACLADMITFPLDTAKVRLQIQGEGQGQPPRAPRY RGV LGTVATLARTEGLQKLYSGLPAGLQRQVGFASLRIGLYDSVREWLSPGQGAA ASLGSRIS AGVMTGGAAVFIGQPTEVVKVRLQAQSHLHGRKPRYTGTYNAYRIIATT EGLTGLWKGTT PNLMRNVIINCTELVTYDLMKEALVKNHLLADDLPCHFLSALVAGF CTTVLSSPVDVVKTRFVNSVPEQYTSVPNCAMTMLTKEGPLAFFKGFVPSFLRLGS WNVIMFVCFEQLKRELMK SGRTVDCAT
Purity	Greater than 90% as determined by SDS-PAGE.
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid

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repeated freeze-thaw cycles.

Storage Buffer Tris/PBS-based buffer, 6% Trehalose, pH 8.0

Reconstitution We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name UCP1

Synonyms UCP1; SLC25A7; Mitochondrial brown fat uncoupling protein 1; UCP 1; Solute carrier family 25 member 7; Thermogenin

UniProt ID [Q9GMZ1](#)

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