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

Cat. No. RFL20829BF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Bovine Mitochondrial brown fat uncoupling protein 1(UCP1) Protein (P10861) (1-288aa), fused to N-terminal His tag, was expressed in E. coli.
Species	Bovine
Source	E.coli
ProteinLength	Full Length (1-288)
Form	Lyophilized powder
AA Sequence	IFSAGVAACVADIITFPLDTAKVRLQIQGECLISSAIRYKGVLGTIITLAKTEGPVKLYS GLPAGLQRQISLASLRIGLYDTVQEFFTTGKEASLGSKISAGLMTGGVAVFIGQPTEVV K VRLQAQSHLHGPKPRYTGTYNAYRIIATTEGLTGLWKGTSPNLTTNVIINCTELVTY DLM KEALVKNKLLADDVPCHFVSAVVAGFCTTVLSSPVDVVKTRFVNSSPGQNTSV PNCAMMM LTREGPSAFFKGFVPSFLRLGSWNIMFVCFERLKQELMKCRHTMDCAT
Purity	Greater than 90% as determined by SDS-PAGE.
Applications	SDS-PAGE
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

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Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid 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℃/-80℃. Our default final concentration of glycerol is 50%. Customers could use it as reference.

GENE INFORMATION

Gene Name	UCP1
Synonyms	UCP1; SLC25A7; UCP; Mitochondrial brown fat uncoupling protein 1; UCP 1; Solute carrier family 25 member 7; Thermogenin
UniProt ID	P10861

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