

Recombinant Rat Ucp1 Protein, His/GST-tagged

Cat. No. Ucp1-283R Lot. No. (See product label)

SPECIFICATION

Product Overview Recombinant Rat Ucp1(Pro179~Leu296) fused with His/GST tag at N-terminal was expressed in E. coli.

Species Rat

Source E.coli

ProteinLength Pro179~Leu296

Form PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.

Molecular Mass 45.0kDa

Endotoxin <1.0EU per 1g (determined by the LAL method)

Purity > 98%

Applications Positive Control; Immunogen; SDS-PAGE; WB.
If bio-activity of the protein is needed, please check active protein.

Stability The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

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Storage Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

Reconstitution Reconstitute in PBS or others.

GENE INFORMATION

Gene Name [Ucp1 uncoupling protein 1 \(mitochondrial, proton carrier\) \[Rattus norvegicus \]](#)

Official Symbol [Ucp1](#)

Synonyms UCP1; uncoupling protein 1 (mitochondrial, proton carrier); mitochondrial brown fat uncoupling protein 1; UCP 1; thermogenin; solute carrier family 25 member 7; uncoupling protein 1, mitochondrial; Ucp; Ucpa; Uncp; MGC108736;

Gene ID [24860](#)

mRNA Refseq [NM_012682](#)

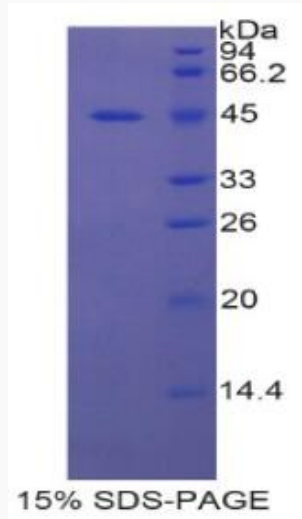
Protein Refseq [NP_036814](#)

UniProt ID [P04633](#)

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