

Uncoupling Protein 2, Mitochondrial (UCP2) Recombinant Protein | UCP2 recombinant protein

Recombinant Uncoupling Protein 2, Mitochondrial (UCP2)

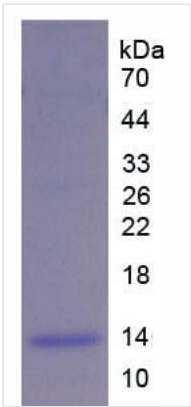
CATALOG # AAA134492	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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PRODUCT SYNONYMS

Uncoupling Protein 2; Mitochondrial (UCP2); Recombinant Uncoupling Protein 2; UCP2 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	The target protein is fused with N-terminal His -Tag, its sequence is listed below. MGHHHH HHSGSEF-LY DSVKQFYTKG SEHAGIGSRL LAGSTTGALA VAVAQPTDVV KVRFAQARA GGRRYQSTV EAYKTIAREE GIRGLWKGTS PNVARNAIVN CTELVTYDLI KDTLKANLM TDDLPC
Sequence Length	309
Applicable Applications for UCP2 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression
Residues	Leu99~Cys216 (Accession # P56500) with N-terminal His-Tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the target protein. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. (Referring from China Biological Products Standard, which was calculated by the Arrhenius equation.) The loss of this protein is less than 5% within the expiration date under appropriate storage condition.



Sequence

LY

DSVKQFYTKG SEHAGIGSRL LAGSTTGALA VAVAQPTDVV KVRFQAQARA

GGRRYQSTV EAYKTIAREE GIRLWKGTS PNVARNAIVN CTELVTYDLI

KDTLLKANLM TDDLPC

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	148747399
NCBI GeneID	54315
NCBI Accession #	NP_062227.2
NCBI GenBank Nucleotide #	NM_019354.2
UniProt Accession #	P56500; O70178; O88183; Q6GST1
Molecular Weight	14.2kDa
NCBI Official Full Name	mitochondrial uncoupling protein 2
NCBI Official Synonym Full Names	uncoupling protein 2 (mitochondrial, proton carrier)
NCBI Official Symbol	Ucp2
NCBI Protein Information	mitochondrial uncoupling protein 2; UCP 2; solute carrier family 25 member 8; Uncoupling protein 2, mitochondrial
UniProt Protein Name	Mitochondrial uncoupling protein 2
UniProt Gene Name	Ucp2
UniProt Synonym Gene Names	Slc25a8; UCP 2
UniProt Entry Name	UCP2_RAT

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.