Recombinant Human UCP3 protein (SUMO, His tag)

Catalog Number:PDEH100438



Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Mitochondrial uncoupling protein 3;UCP3;Solute carrier family 25 member 9

Species Human Expression Host E.coli

Sequence Met 1-Asn 113

AccessionP55916Calculated Molecular Weight32.3 kDaObserved molecular weight30 kDa

Tag N-SUMO-His

Properties

Purity > 95 % as determined by reducing SDS-PAGE.

Endotoxin Please contact us for more information.

Storage Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to

-80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots

of reconstituted samples are stable at < -20°C for 3 months.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from sterile PBS, pH 7.4.

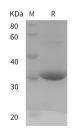
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 95 % as determined by reducing SDS-PAGE.

Background

UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial membrane, thus uncoupling oxidative phosphorylation. As a result, energy is dissipated in the form of heat. May play a role in the modulation of tissue respiratory control. Participates in thermogenesis and energy balance.

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