

Recombinant Human UCP3 protein (SUMO,His tag)

Catalog Number:PDEH100438



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

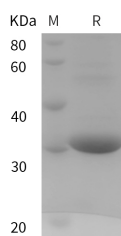
Description

Synonyms	Mitochondrial uncoupling protein 3;UCP3;Solute carrier family 25 member 9
Species	Human
Expression Host	E.coli
Sequence	Met 1-Asn 113
Accession	P55916
Calculated Molecular Weight	32.3 kDa
Observed molecular weight	30 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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