

## Recombinant Human UCP1 Protein (2-307 aa), His-tagged

Cat. No. UCP1-1552H Lot. No. (See product label)

### SPECIFICATION

<b>Product Overview</b>	Recombinant Human UCP1 Protein (2-307 aa) is produced by Yeast expression system. This protein is fused with a 6xHis tag at the N-terminal. Research Area: Transport. Protein Description: Full Length of Mature Protein.
<b>Species</b>	Human
<b>Source</b>	Yeast
<b>ProteinLength</b>	2-307 aa
<b>Description</b>	UCP are mitochondrial transporter proteins that create proton leaks across the inner mitochondrial mbrane, thus uncoupling oxidative phosphorylation from ATP synthesis. As a result, energy is dissipated in the form of heat.
<b>Form</b>	Tris-based buffer,50% glycerol
<b>Molecular Mass</b>	34.9 kDa
<b>AA Sequence</b>	GGLTASDVHPTLGVQLFSAGIAACLADVITFPLDTAKVRLQVQGECPTSSVIRYKGVL GTITAVVKTEGRMKLYSGLPAGLQRQISSASLRIGLYDTVQEFLTAGKETAPSLGSKIL AGLTTGGVAVFIGQPTEVVKVRLQAQSHLHGKIPRYTGTYNAYRIIATTEGLTGLWKG TTPNLMRSVIINCTELVTYDLMKEAFVKNNILADDVPCHLVSALIAGFCATAMSSPVD VVKTRFINSPPGQYKSVPCAMKVFTNEGPTAFFKGLVPSFLRLGSWNVIMFVCFE QLKRELSKSRQTMDCAT

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<b>Purity</b>	> 90% as determined by SDS-PAGE.
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4 centigrade for up to one week.
<b>Storage</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20 centigrade/-80 centigrade. The shelf life of lyophilized form is 12 months at -20 centigrade/-80 centigrade.
<b>Concentration</b>	A hardcopy of COA with reconstitution instruction is sent along with the products.

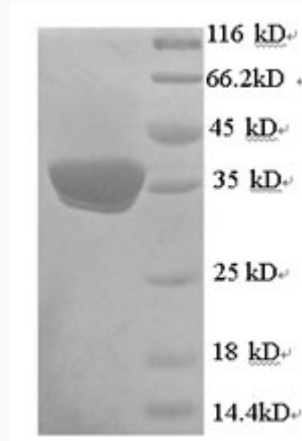
## GENE INFORMATION

<b>Gene Name</b>	UCP1 uncoupling protein 1 (mitochondrial, proton carrier) [ Homo sapiens ]
<b>Official Symbol</b>	UCP1
<b>Synonyms</b>	UCP1; UCP; SLC25A7; thermogenin; solute carrier family 25 member 7;
<b>Gene ID</b>	7350
<b>mRNA Refseq</b>	NM_021833
<b>Protein Refseq</b>	NP_068605
<b>MIM</b>	113730
<b>UniProt ID</b>	P25874

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(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.

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