

Recombinant Human SLC25A27 Protein, His-tagged

Cat. No. SLC25A27-544H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC25A27, transcript variant 1, fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	Mitochondrial uncoupling proteins (UCP) are members of the larger family of mitochondrial anion carrier proteins (MACP). UCPs separate oxidative phosphorylation from ATP synthesis with energy dissipated as heat, also referred to as the mitochondrial proton leak. UCPs facilitate the transfer of anions from the inner to the outer mitochondrial membrane and the return transfer of protons from the outer to the inner mitochondrial membrane. They also reduce the mitochondrial membrane potential in mammalian cells. Tissue specificity occurs for the different UCPs and the exact methods of how UCPs transfer H⁺/OH⁻ are not known. UCPs contain the three homologous protein domains of MACPs. Transcripts of this gene are only detected in brain tissue and are specifically modulated by various environmental conditions. Alternative splicing results in multiple transcript variants.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	35.9 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

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Concentration >50 ug/mL as determined by microplate BCA method

GENE INFORMATION

Gene Name SLC25A27 solute carrier family 25, member 27 [Homo sapiens]

Official Symbol SLC25A27

Synonyms SLC25A27; solute carrier family 25, member 27; mitochondrial uncoupling protein 4; FLJ33552; UCP4; UCP 4; uncoupling protein 4; RP11-446F17.2;

Gene ID 9481

mRNA Refseq NM_001204051

Protein Refseq NP_001190980

MIM 613725

UniProt ID O95847

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