

Recombinant Human SLC25A31 Protein, His-tagged

Cat. No. SLC25A31-158H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human SLC25A31 fused with His tag at N-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Description	The protein encoded by this gene is a member of the ADP/ATP carrier family of proteins that exchange cytosolic ADP for matrix ATP in the mitochondria. Cells over-expressing this gene have been shown to display an anti-apoptotic phenotype. This protein is also thought to play a role in spermatogenesis, where it is believed to associate with a part of the flagellar cytoskeleton and with glycolytic enzymes. Male mice with mutations in the mouse ortholog of this gene are sterile and spermatocytes display an early meiotic arrest phenotype. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	25mM Tris, pH8.0, 150 mM NaCl, 10% glycerol, 1 % Sarkosyl.
Molecular Mass	34.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration	>50 ug/mL as determined by microplate BCA method

GENE INFORMATION

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Gene Name	SLC25A31 solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31 [Homo sapiens]
Official Symbol	SLC25A31
Synonyms	SLC25A31; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 31; ADP/ATP translocase 4; ANT4; DKFZP434N1235; ANT 4; ADP,ATP carrier protein 4; adenine nucleotide translocase 4; adenine nucleotide translocator 4; solute carrier family 25 member 31; sperm flagellar energy carrier protein; AAC4; SFEC35kDa; DKFZp434N1235;
Gene ID	83447
mRNA Refseq	NM_031291
Protein Refseq	NP_112581
MIM	610796
UniProt ID	Q9H0C2

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