

Recombinant Human SLC25A5 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. SLC25A5-1550H Lot. No. (See product label)

SPECIFICATION

Product Overview

SLC25A5 MS Standard C13 and N15-labeled recombinant protein (NP_001143) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.

Species

Human

Source

HEK293

Description

This gene is a member of the mitochondrial carrier subfamily of solute carrier protein genes. The product of this gene functions as a gated pore that translocates ADP from the cytoplasm into the mitochondrial matrix and ATP from the mitochondrial matrix into the cytoplasm. The protein forms a homodimer embedded in the inner mitochondria membrane. Suppressed expression of this gene has been shown to induce apoptosis and inhibit tumor growth. The human genome contains several non-transcribed pseudogenes of this gene.

Molecular Mass

32.9 kDa

AA Sequence

MTDAAVSFAKDFLAGGVAAAISKTAVAPIERVKLLLQVQHASKQITADKQYKGIIDCVV
RIPKEQGVLSFWRGNLANVIRYFPTQALNFAFKDKYKQIFLGGVDKRTQFWRYFAG
NLASGGAAGATSLCFVYPLDFARTRLAADVKGAGAERFRGLGDCLVKIYKSDGIKG
LYQGFNVSQGIHIIYRAAYFGIYDTAKGMLPDPKNTHIVISWMAQTVTAVAGLTSYFP
DTVRRRMMMQRKGTDIMYTGTLDCWRKIARDEGGKAFFKGAWSNVLRGMGGA
FVLVLYDEIKKYTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name	SLC25A5 solute carrier family 25 member 5 [Homo sapiens (human)]
Official Symbol	SLC25A5
Synonyms	SLC25A5; solute carrier family 25 (mitochondrial carrier; adenine nucleotide translocator), member 5; ANT2; ADP/ATP translocase 2; 2F1; T2; T3; ANT 2; ADP/ATP carrier protein; ADP,ATP carrier protein 2; solute carrier family 25 member 5; ADP,ATP carrier protein, fibroblast isoform; adenine nucleotide translocator 2 (fibroblast); AAC2;
Gene ID	292
mRNA Refseq	NM_001152
Protein Refseq	NP_001143
MIM	300150

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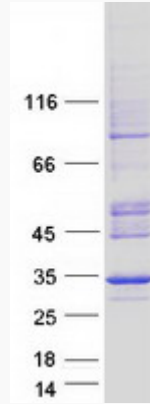
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UniProt ID

P05141

SDS-PAGE



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