

Active Recombinant Full Length Human SLC25A5 Protein, C-Flag-tagged

Cat. No. SLC25A5-300HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human SLC25A5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Bio-activity	Pull-down assay
Molecular Mass	32.7 kDa
AA Sequence	MTDAAVSFAKDFLAGGVAAAISKTA VAPIERVKLLQVQHASKQITADKQYKGIIDCVV RIPKEQGVLSF WRGNLANVIRYFPTQALNFAFKDKYKQIFLGGVDKRTQFWRYFAG NLASGGAAGATSLCFVYPLDFARTR LAADVGKAGAEREFRGLGDCLVKIYKSDGIK

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GLYQGFNVSVQGIIYRAAYFGIYDTAKGMLPDPKNTHI VISWMIAQTVTAVAGLTSY
 PFDTVRRRMMMQSGRKGTDIMYTGTLDCWRKIARDEGGKAFFKGAWSNVLR
 GMGGAFVLVLYDEIKKYTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transmembrane
Protein Pathways	Calcium signaling pathway, Huntington's disease, Parkinson's disease
Full Length	Full L.

GENE INFORMATION

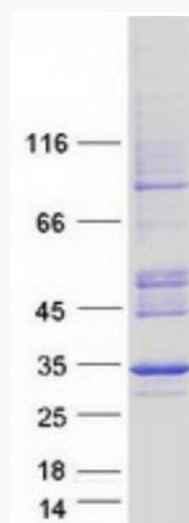
Gene Name	SLC25A5 solute carrier family 25 member 5 [Homo sapiens (human)]
Official Symbol	SLC25A5
Synonyms	T2; T3; 2F1; AAC2; ANT2
Gene ID	292

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mRNA Refseq	NM_001152.5
Protein Refseq	NP_001143.2
MIM	300150
UniProt ID	P05141



Coomassie blue staining of purified SLC25A5 protein.

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