

Product Information

MemDX™ Membrane Protein Human SLC25A5 (Solute carrier family 25 member 5) for Antibody Discovery

Cat. No.: **MP0588J**

This product is for research use only and is not intended for diagnostic use.

This product is a 32.7 kDa Human SLC25A5 membrane protein expressed in HEK293T. The protein is for research use only and is not approved for use in humans or in clinical diagnosis.

Product Specifications

Host Species

Human

Target Protein

SLC25A5

Protein Length

Full-length

Protein Class

Druggable Genome, Transmembrane

Molecular Weight

32.7 kDa

TMD

6

Sequence

MTDAAVSFAKDFLAGGVAAAISKTAVAPIERVKLLQVQHASKQITADKQYKGIIDCVVRIPKEQGVLSF
WRGNLANVIRYFPTQALNFAFKDKYKQIFLGGVDKRTQFWRYFAGNLASGGAAGATSLCFVYPLDFARTR
LAADVKGAGAEREFRGLGDCLVKIYKSDGIKGLYQGFNVSVQGIIYRAAYFGIYDTAKGMLPDPKNTHI
VISWMIAQTVTAVAGLTSYPFDTVRRRMMMMSGKRGTDIMYTGTLDCWRKIDARDEGGKAFFKGAWSNVLR
GMGGAFVLVLYDEIKKYT

Product Description

Expression Systems

HEK293T

Tag

C-Myc/DDK

Form

Liquid

Purification

Anti-DDK affinity column followed by conventional chromatography steps

Purity

> 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer

25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol

Storage

Store at +4°C for up to one week or several months at -80°C

Target**Target Protein**

SLC25A5

Full Name

Solute carrier family 25 member 5

Introduction

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.

Alternative Names

T2; T3; 2F1; AAC2; ANT2

Gene ID

[292](#)

UniProt ID

[P05141](#)