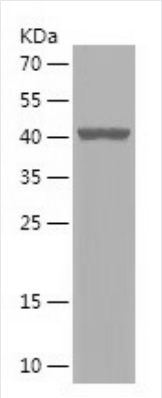
SLC25A5 Human Recombinant Protein

PRODUCT OVERVIEW

Product Name	SLC25A5, Recombinant Protein
Full Product Name	Recombinant Human SLC25A5
Product Gene Name	SLC25A5 recombinant protein
Product Synonym Names	2F1; AAC2; ADP;ATP carrier protein 2; ADP/ATP translocase 2; ANT 2; ANT1/2; SLC25A5; T2; T3
Host	E Coli
Form/Format	Lyophilized from a 0.2 um filtered solution in 10 mM Hepes, 500 mM NaCl with 5% trehalose and 0.06% proclin, pH7.4
Purity/Purification	Greater than 90% by SDS-PAGE gel analyses
Preparation and Storage	Store at -20 degree C for 12 months as lyophilized; 2-8 degree C for 1 month under sterile conditions after reconstitution
Molecular Weight	32,852 Da
Sequence Positions	93-298
3D Structure	ModBase 3D Structure for P05141
Species	Human
Tag	N-terminal His-IF2DI Tag
Reconstitution	Centrifuge the vial at 10,000 rpm for 1 minute, reconstitute at 200 ug/ml in sterile distilled water by gentle pipetting 2-3 times, don't vortex
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Applications Tested/Suitable for SLC25A5 recombinant protein	Western Blot (WB), ELISA (EIA)
Related Product Information for SLC25A5 recombinant protein	MBS7615783 is a recombinant protein targeting SLC25A5. Also known as Recombinant Human SLC25A5. Host: E Coli.
Other Notes	Small volumes of SLC25A5 recombinant protein vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.



SDS-Page of SLC25A5 recombinant protein

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for SLC25A5. It may not necessarily be applicable to this product.

NCBI GI #	156071459
NCBI GeneID	292
NCBI Accession #	NP_001143.2
UniProt Primary Accession #	P05141
UniProt Secondary Accession #	O43350; B2RCV1
UniProt Related Accession #	P05141
GenBank Nucleotide #	NM_001152.4
NCBI Official Full Name	ADP/ATP translocase 2
NCBI Official Synonym Full Names	solute carrier family 25 member 5
NCBI Official Symbol	SLC25A5
NCBI Official Synonym Symbols	T2; T3; 2F1; AAC2; ANT2
UniProt Protein Name	ADP/ATP translocase 2
UniProt Synonym Protein Names	ADP,ATP carrier protein 2; ADP,ATP carrier protein, fibroblast isoform; Adenine nucleotide translocator 2; ANT 2
Protein Family	ADP/ATP translocase
UniProt Gene Name	SLC25A5
UniProt Synonym Gene Names	ANT2; ANT 2
NCBI Protein Information	ADP/ATP translocase 2
NCBI Summary for SLC25A5	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.[provided by RefSeq, Jun 2013]
UniProt Comments for SLC25A5	Catalyzes the exchange of cytoplasmic ADP with mitochondrial ATP across the mitochondrial inner membrane. As part of the mitotic spindle-associated MMXD complex it may play a role in chromosome segregation.
Research Articles on SLC25A5	**1.** Findings suggest that ANT2 overexpression contributes to EGFR-TKI resistance in non-small cell lung cancer.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.

Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/recombinant-protein/slc25a5/7615783