ATP23 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	ATP23, Lysate
Full Product Name	Human ATP23 Protein Lysate
Product Gene Name	ATP23 lysate
Product Synonym Names	ATP23; KUB3; XRCC6BP1
Host	Human
Form/Format	Lyophilized
Preparation and Storage	Store at -20 degree C Once reconsituted, aliquot and store any remaining material at-20 degree C to avoid repeated freeze-thaw cycles.
Molecular Weight	27kDa
3D Structure	ModBase 3D Structure for Q9Y6H3
Related Product Information for ATP23 lysate	Human ATP23 Protein Lysate 20ug is provided as a Lyophilized powder. This is a Recombinant Protein Lysate produced in HEK293T cells. This protein lysate can be reconsituted using SDS Sample Buffer.
Other Notes	Small volumes of ATP23 lysate 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.
Searchable Terms for ATP23 purchase	MBS137700 is a lysate targeting ATP23. Also known as Human ATP23 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ATP23. It may not necessarily be applicable to this product.

NCBI GI #	32698767
NCBI GeneID	91419
NCBI Accession #	NP_150592
UniProt Primary Accession #	Q9Y6H3
UniProt Related Accession #	Q9Y6H3
GenBank Nucleotide #	NM_033276
NCBI Official Full Name	mitochondrial inner membrane protease ATP23 homolog isoform a
NCBI Official Synonym Full Names	ATP23 metallopeptidase and ATP synthase assembly factor homolog
NCBI Official Symbol	ATP23
NCBI Official Synonym Symbols	KUB3; XRCC6BP1
UniProt Protein Name	Mitochondrial inner membrane protease ATP23 homolog
UniProt Synonym Protein Names	Ku70-binding protein 3; XRCC6-binding protein 1
Protein Family	Mitochondrial inner membrane protease
UniProt Gene Name	XRCC6BP1

UniProt Synonym Gene Names	KUB3
UniProt Entry Name	ATP23_HUMAN
NCBI Protein Information	mitochondrial inner membrane protease ATP23 homolog
NCBI Summary for ATP23	The protein encoded by this gene is amplified in glioblastomas and interacts with the DNA binding subunit of DNA-dependent protein kinase. This kinase is involved in double-strand break repair (DSB), and higher expression of the encoded protein increases the efficiency of DSB. In addition, comparison to orthologous proteins strongly suggests that this protein is a metalloprotease important in the biosynthesis of mitochondrial ATPase. Several transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Feb 2016]
UniProt Comments for ATP23	Subunit structure: Interacts with XRCC6. Ref.1 Sequence similarities: Belongs to the peptidase M76 family. Sequence caution: The sequence AAD31085.1 differs from that shown. Reason: Erroneous initiation.
Research Articles on ATP23	**1.** The data provide the first evidence for a link between the level of KUB3 amplification and expression in glioma and DSB repair efficiency.
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/lysate/atp23/137700