ISCA2 Lysate – Tissue Lysate

PRODUCT OVERVIEW

Product Name	ISCA2, Lysate
Full Product Name	Human ISCA2 Protein Lysate
Product Gene Name	ISCA2 lysate
Product Synonym Names	ISCA2; c14_5557; HBLD1; ISA2; MMDS4
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	16kDa
OMIM	615317
3D Structure	ModBase 3D Structure for Q86U28
Related Product Information for ISCA2 lysate	Human ISCA2 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 ISCA2 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 ISCA2 purchase	MBS8413713 is a lysate targeting ISCA2. Also known as Human ISCA2 Protein Lysate. Host: Human.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ISCA2. It may not necessarily be applicable to this product.

NCBI GI #	160420328
NCBI GeneID	122961
NCBI Accession #	NP_919255
UniProt Primary Accession #	Q86U28
UniProt Related Accession #	Q86U28
GenBank Nucleotide #	NM_194279
NCBI Official Full Name	iron-sulfur cluster assembly 2 homolog, mitochondrial isoform 1
NCBI Official Synonym Full Names	iron-sulfur cluster assembly 2
NCBI Official Symbol	ISCA2
NCBI Official Synonym Symbols	ISA2; HBLD1; MMDS4; c14_5557
UniProt Protein Name	Iron-sulfur cluster assembly 2 homolog, mitochondrial
UniProt Synonym Protein Names	HESB-like domain-containing protein 1
Protein Family	Iron-sulfur cluster assembly

UniProt Gene Name	ISCA2
UniProt Synonym Gene Names	HBLD1
UniProt Entry Name	ISCA2_HUMAN
NCBI Protein Information	iron-sulfur cluster assembly 2 homolog, mitochondrial
NCBI Summary for ISCA2	The protein encoded by this gene is an A-type iron-sulfur cluster (ISC) protein found in mitochondria. The encoded protein appears to be involved in the maturation of mitochondrial iron-sulfur proteins. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2012]
Research Articles on ISCA2	**1.** We identified a homoallelic missense founder mutation in ISCA2 leading to mitochondrial depletion and reduced complex I activity as well as decreased ISCA2, ISCA1 and IBA57 expression in fibroblasts.
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