

Recombinant Human DARS2 Protein, GST-tagged

Cat. No. DARS2-2350H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human DARS2 full-length ORF (NP_060592.2, 1 a.a. - 645 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	The protein encoded by this gene belongs to the class-II aminoacyl-tRNA synthetase family. It is a mitochondrial enzyme that specifically aminoacylates aspartyl-tRNA. Mutations in this gene are associated with leukoencephalopathy with brainstem and spinal cord involvement and lactate elevation (LBSL). [provided by RefSeq, Nov 2009]
Molecular Mass	100 kDa
AA Sequence	MYFPSWLSQLYRGLSRPIRRTTQPIWGSlyrSLLQSSQRRRIPEFSSFVVRTNTCGEL RSSHLGQEVTLCGWIQYRRQNTFLVLRDFDGLVQVIIPQDESAASVKKILCEAPVESV VQVSGTVISRPAGQENPKMPTGEIEIKVKTAELLNACKKLPFEIKNFVKKTEALRLQY RYLDLRSFQMQYNLRLRSQMVMKMREYLCNLHGFVDIETPTLFKRTPGGAKEFLVP SREPGKFYSLPQSPQQFKQLLMVGGLDRYFQVARCyrDEGSRPDRQPEFTQIDIEM SFVDQTGIQSLIEGLLQYSWPNDKDPVVVPFPTMTFAEVLATYGTDKPDTRFGMKIID ISDVFRNTEIGFLQDALSKPHGTVKAICIPEGAKYLKRKDIESIRNFAADHFNQEILPVF LNANRNWNSPVANFIMESQRLELIRLMETQEEDVLLTAGEHNKACSLGKLRLECA DLLETRGVVLRDPTLFSFLWVVDfPLFLPKEENPRELESAHHPFTAPHPSDIHLLYTE

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

PKKARSQHYDLVLNGNEIGGGSIRIHNAELQRYILATLLKEDVKMLSHLLQALDYGAP
PHGGIALGLDRLICLVGTGSPSIRDVIAFPKSFGRHDLMSNTPDVPPEELKPYHIRVSK
PTDSKAERAH

Applications

Enzyme-linked Immunoabsorbent Assay
Western Blot (Recombinant protein)
Antibody Production
Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name

DARS2 aspartyl-tRNA synthetase 2, mitochondrial [Homo sapiens]

Official Symbol

DARS2

Synonyms

DARS2; aspartyl-tRNA synthetase 2, mitochondrial; aspartate--tRNA ligase, mitochondrial; aspartate tRNA ligase 2; mitochondrial; FLJ10514; aspartate tRNA ligase 2, mitochondrial; aspartyl-tRNA synthetase, mitochondrial; LBSL; ASPRS; MT-ASPRS; RP3-383J4.2;

Gene ID

55157

mRNA Refseq

NM_018122

Protein Refseq

NP_060592

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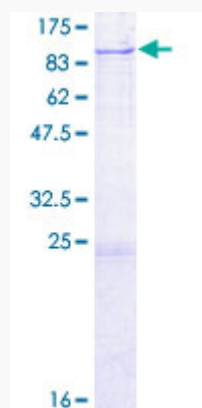
 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

MIM 610956

UniProt ID Q6PI48

Quality Control
Testing:



12.5% SDS-PAGE Stained with Coomassie Blue.

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