

Recombinant Full Length Human DARS2 Protein, GST-tagged

Cat. No. DARS2-2515HF **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	In Vitro Cell Free System
ProteinLength	645 amino acids
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	MYFPSWLSQLYRGLSRPIRRTTQPIWGSlyrSLLQSSQRRRIEFSSFVVRTNTCGEL RSSHLGQEVTLCGWIQYRRQNTFLVLRDFDGLVQVIIPQDESAASVKILCEAPVESV VQVSGTVISRPAGQENPKMPTGEIEIKVKTAELLNACKKLPFEIKNFVKKTEALRLQY RYLDLRSFQMQYNLRLRSQMVMKMR EYLCNLHGFVDIETPTLFKRTPGGAKEFLVP SREPGKFYSLPQSPQQFKQLLMVGGLDRYFQVARCYRDEGSRPDRQPEFTQIDIEM SFVDQTGIQSLIEGLLQYSWPNDKDPVVVPFPTMTFAEVLATYGTDKPDTRFGMKIID ISDVFRNTEIGFLQDALSKPHGTVKAICIEGAKYLKRKDIESIRNFAADHFNQEILPVF LNANRNWNSPVANFIMESQRLELIRLMETQEEDVLLTAGEHNKACSLGKLRLECA

 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

DLLETRGVVLRDPTLFSFLWVDFPLFLPKEENPRELESAHHPFTAPHPSDIHLLYTE
 PKKARSQHYDLVLNGNEIGGGSIRIHNAELQRYILATLLKEDVKMLSHLLQALDYGAP
 PHGGIALGLDRLICLVGTGSPSIRDVIAFPKSFGRGHDLMSTPDSVPPEELKPYHIRVSK
 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](#)

 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

Protein Refseq	NP_060592
MIM	610956
UniProt ID	Q6PI48

 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