



Recombinant Human Aspartate--tRNA ligase, mitochondrial (DARS2)

Product Code	CSB-EP747490HU-B
Abbreviation	DARS2
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.
Uniprot No.	Q6PI48
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	VVR TNTCGELRSS HLGQEVTLCG WIQYRRQNTF LVLRFDFDGLV QVIIPQDESA ASVKKILCEA PVESVVQVSG TVISRPAGQE NPKMPTGEIE IKVKTAELLN ACKKLPFEIK NFVKKTEALR LQYRYDLRS FQMQYNLRLR SQMVMKMREY LCNLHGFVDI ETPTLFKRTP GGAKEFLVPS REPGKFYSLP QSPQQFKQLL MVGGLDRYFQ VARCVRDEGS RPDRQPEFTQ IDIEMSFVDQ TGIQSLIEGL LQYSWPNDKD PVVVPFPTMT FAEVLATYGT DKPDTRFGMK IIDISDVFRN TEIGFLQDAL SKPHGTVKAI CIPEGAKYLK RKDIESIRNF AADHFNQEIL PVFLNANRNW NSPVANFIME SQRLELIRLM ETQEEDVVLL TAGEHNKACS LLGKLRLECA DLLETRGVVL RDPTLFSFLW VVDFPLFLPK EENPRELESA HHPFTAPHPH DIHLLYTEPK KARSQHYDLV LNGNEIGGGS IRIHNAELQR YILATLLKED VKMLSHLLQA LDYGAPPHGG IALGLDRLIC LVTGSPSIRD VIAFPKSFGR HDLMSNTPDS VPPEELKPYH IRVSKPTDSK AERAH
Source	E.coli
Target Names	DARS2
Protein Names	Recommended name: Aspartate--tRNA ligase, mitochondrial EC= 6.1.1.12 Alternative name(s): Aspartyl-tRNA synthetase Short name= AspRS
Expression Region	48-645
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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).

**Reconstitution**

We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.

Shelf Life

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