

Full-Length

DARS2 (Human) Recombinant Protein (P01)

Catalog # H00055157-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human DARS2 full-length ORF (NP_060592.2, 1 a.a. - 645 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MYFPSWLSQLYRGLSRPIRRTTQPMWGSLYRSLQSSQRRIPFSSFVVRTNTCGELRSSHLGQEV
 TCGWIQYRRQNTFLVLRDFDGLVQVIIPQDESAASVKKILCEAPVESVQVSGTVISRPAGQENP
 KMPTGEIEIKVKTAE LLNACKKLPFEIKNFVKKTEALRLQYRYDLRSFQMQLRLRSQMVMKMR
 EYLCNLHGFVDIETPTLFKRTPGGAKEFLVPSREPGKFYSLPQSPQQFKQLLMVGGLDRYFQVAR
 CYRDEGSRPDRQPEFTQDIEMSFVDQTGIQSLIEGLLQYSWPNDKDPVVVPFPTMTFAEVLATYG
 TDKPDTRFGMKIIDISDVFRNTEIGFLQDALSKPHGTVKAICIEGAKYLKRKDIESIRNFAADHFNQE
 ILPVFLNANRNWNSPVANFIMESQRLELIRLMETQEEDVLLTAGEHNKACSLGKLRLECADLLE
 TRGVVLRDPTLFSFLWVVDPLFLPKEENPRELESAHHPFTAPHPSDIHLLYTEPKKARSQHYDL
 VLNGNEIGGGSIRIHNAELQRYLATLLKEDVKMLSHLLQALDYGAPPHGGIALGLDRICLVTGSPSI
 RDVIAFPKSFRGHDLMSTNTPDSVPPEELKPYHIRVSKPTDSKAERAH

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

100

Interspecies Antigen Sequence

Mouse (85); Rat (85)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

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

Gene Info — DARS2

Entrez GeneID	55157
GeneBank Accession#	NM_018122.3
Protein Accession#	NP_060592.2
Gene Name	DARS2
Gene Alias	ASPRS, FLJ10514, LBSL, MT-ASPRS, RP3-383J4.2
Gene Description	aspartyl-tRNA synthetase 2, mitochondrial
Omim ID	610956 611105
Gene Ontology	Hyperlink
Gene Summary	O
Other Designations	OTTHUMP00000032692 aspartate tRNA ligase 2, mitochondrial

Pathway

- [Aminoacyl-tRNA biosynthesis](#)

Disease

- [Diabetes Mellitus](#)
- [Genetic Predisposition to Disease](#)