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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Datasheet

QARS (Human) Recombinant Protein (P01)

Catalog Number: H00005859-P01

Regulation Status: For research use only (RUO)

Product Description: Human QARS full-length ORF (NP_005042.1, 1 a.a. - 775 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAALDSLSTLFTSLGLSEQKARETLKNSALSAQLREAAT
QAQQTGLSTIDKATGILLYGLASRLDRRLSFLVSYIA
SKKIHTEPQLSAALEYVRSHPLDPIDTVDFERECEGVGVI
VTPEQIEEAEEAIAINRHRPQLLVERYHFNMGLLMGEA
RAVLKWADGKMIKNEVDMQVLHLLGPKLEADLEKKFK
VAKARLEETDRRTAKDVVENGETADQTLSLMEQLRGE
ALKFHKPGENYKTPGYVVTPTMNLKQHLEITGGQV
RTRFPPEPNGILHIGHAKAINFNFGYAKANNIGICFLRFD
DTNPEKEEAFFTAICDMVAWLGYTPYKVITYASYDFD
QLYAWAVELIRRGLAYVCHQRGEELKGHNTLPSPWR
DRPMEESLLLFEAMRKGFSEGEATLRMKLVMEDGK
MDPVAYRVKYTPHRTGDKWCIPTYDYTHCLCDSIE
HITHSLCTKEFQARRSSYFWLCNALDVYCPVQWEYGR
LNLHYAVVSKRKILQLVATGAVRDWDDPRLFTLTALRR
RGFPPEAINNFCARVGVTVAQTTMEPHLLEACVRDVL
NDTAPRAMAVLESRLVIIITNFPAAKSLDIQVPNFPADET
KGFHQVPPAFIVFIERTDFKEEPEPGFKRLAWGQPVGL
RHTGYVIELQHVVKGPSGCVESLEVTCRRADAGEKPK
AFIHWVSQPLMCEVRLYERLFQHKNPEDPTEVPGGFL
SDLNLASLHVVDAAALVDCSVALAKPFDKFQFERLGYS
VDPDSHQGKLVFNRTVTLKEDPGKV

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 114.2

Applications: AP, Array, ELISA, WB-Re

(See our web site product page for detailed applications information)

Protocols: See our web site at

<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

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.

Entrez GeneID: 5859

Gene Symbol: QARS

Gene Alias: GLNRS, PRO2195

Gene Summary: Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. In metazoans, 9 aminoacyl-tRNA synthetases specific for glutamine (gln), glutamic acid (glu), and 7 other amino acids are associated within a multienzyme complex. Although present in eukaryotes, glutaminyl-tRNA synthetase (QARS) is absent from many prokaryotes, mitochondria, and chloroplasts, in which Gln-tRNA(Gln) is formed by transamidation of the misacylated Glu-tRNA(Gln). Glutaminyl-tRNA synthetase belongs to the class-I aminoacyl-tRNA synthetase family. [provided by RefSeq]