

Recombinant Human IARS2 protein, His-tagged

Cat. No. IARS2-14027H Lot. No. (See product label)

SPECIFICATION

| | |
|-------------------------|--|
| Product Overview | Recombinant Human IARS2 protein(425-773 aa), fused with N-terminal His tag, was expressed in E.coli. |
| Species | Human |
| Source | E.coli |
| ProteinLength | 425-773 aa |
| Form | The purified protein was lyophilized from sterile phosphate-buffered saline (PBS: 58 mM Na ₂ HPO ₄ , 17 mM NaH ₂ PO ₄ , 68 mM NaCl, pH 7.4). Prior to lyophilization, 5% (w/v) trehalose and 5% (w/v) mannitol were incorporated as cryoprotective excipients. The protein was eluted with a buffer containing 300 mM imidazole. |
| AASequence | KMSKSLGNVIHPDVVVNGGQDQSKEPPYGADVLRWWWVADSNVFTEVAIGPSVLNA ARDDISKLRNRTLRFLLGNVADFNPETDSIPVNDMYVIDQYMLHLLQDLANKITELYKQ YDFGKVVRLRLRTFYTRELSNFYFSIIKDRLYCEKENDPKRRSCQTALVEILDVIVRSFA PILPHLAEVVFQHIPYIKEPKSVFRTGWISTSSIWKKPGLEEAVESACAMRDSFLGSIP GKNAAEYKVITVIEPGLLFEIIEMLQSEETSSTSSQLNELMMASESTLLAQEPREMTAD VIELKGKFLINLEGGDIREESSYKVIVMPTTKEKCPCRCWKYTAESSDTLCPRCAEVVS GK |
| Purity | 80%, by SDS-PAGE with Coomassie Brilliant Blue staining. |
| Storage | Store at 2-8°C for 1-2 weeks. Aliquot and store at -20°C to -80°C for up to 3 months, |

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

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

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reconstitution with sterile water and addition of an equal volume of glycerol. Avoid repeat freeze-thaw cycles.

Reconstitution

Dissolve the product in 200 µl sterile water to achieve a working concentration of 0.25 g/µl. If experimental compatibility allows, mix the aqueous solution with an equal volume of glycerol (1:1 ratio) after initial reconstitution.

GENE INFORMATION

Gene Name

IARS2 isoleucyl-tRNA synthetase 2, mitochondrial [Homo sapiens]

Official Symbol

IARS2

Synonyms

IARS2; isoleucyl-tRNA synthetase 2, mitochondrial; isoleucine--tRNA ligase, mitochondrial; FLJ10326; isoleucine tRNA ligase 2; mitochondrial; isoleucine tRNA ligase 2, mitochondrial; isoleucyl-tRNA synthetase, mitochondrial; mitochondrial isoleucine tRNA synthetase; isoleucine-tRNA synthetase 2, mitochondrial; ILERS;

Gene ID

55699

mRNA Refseq

NM_018060

Protein Refseq

NP_060530

MIM

612801

UniProt ID

Q9NSE4

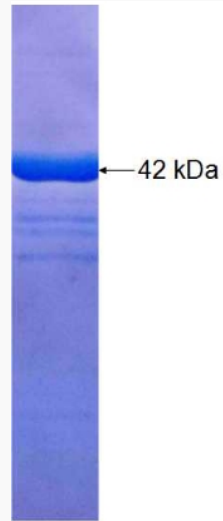
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SDS-PAGE



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