

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 ARDDISKLRNLTFLGNAVDFNPETDSIPVNDMYVIDQYMLHLLQDLANKITELYKQ YDFGKVVRLRLRTFYTRELSNFYFSIIKDRLYCEKENDPKRRSCQTALVEILDVIVRSFA PILPHLAEVVFQHPIYIKEPKSVFRTGWISTSSIWKKPGLEEAVESACAMRDSFLGSIP GKNAAEYKVITVIEPGLLFEIIEMLQSEETSSTSQNLNEMMASESTLLAQEPREMTAD VIELKGKFLINLEGGDIREESSYKVIVMPTTKEKCPRCWKYTAESSDTLCPRCAEVVS 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,

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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

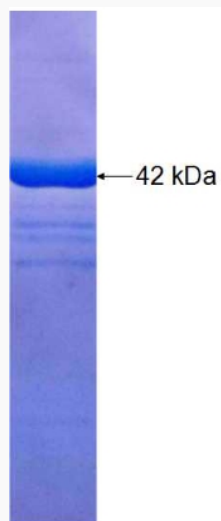
MIM 612801

UniProt ID Q9NSE4

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SDS-PAGE

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