

Recombinant Human IARS protein, His-tagged

Cat. No. IARS-2929H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human IARS protein(707-1055 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	707-1055 aa
Form	The purified protein was Lyophilized from sterile PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH7.4). 5 % trehalose and 5 % mannitol are added as protectant before lyophilization. The elution buffer contain 300mM imidazole.
Purity	85%, by SDS-PAGE with Coomassie Brilliant Blue staining.
Storage	Short-term storage: Store at 2-8°C for (1-2 weeks). Long-term storage: Aliquot and store at -20°C to -80°C for up to 3 months, buffer containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.
Reconstitution	Reconstitute at 0.25 g/μl in 200 μl sterile water for short-term storage. Reconstitution with 200 μl 50% glycerol solution is recommended for longer term storage.

GENE INFORMATION

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Gene Name	IARS isoleucyl-tRNA synthetase [Homo sapiens]
Official Symbol	IARS
Synonyms	IARS; isoleucyl-tRNA synthetase; isoleucine--tRNA ligase, cytoplasmic; IARS1; ILRS; isoleucine tRNA ligase 1; cytoplasmic; isoleucine tRNA ligase 1, cytoplasmic; isoleucyl-tRNA synthetase, cytoplasmic; IRS; ILERS; PRO0785; FLJ20736;
Gene ID	3376
mRNA Refseq	NM_002161
Protein Refseq	NP_002152
MIM	600709
UniProt ID	P41252

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