

Recombinant Human HARS protein, His-tagged

Cat. No. HARS-3449H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human HARS protein(1-282 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1-282 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.
AA Sequence	MAERAALEELVKLQGERVRGLKQQKASAEIEEEVAKLLKLKAQLGPDESKQKFVLK TPKGTRDYSRQMAVREKVFVDVIIRCFKRHGAEVIDTPVFELKETLMGKYGEDSKLIY DLKDQGGELLSLRYDLTVPFARYLAMNKL TNIKRYHIAKVYRRDNPAMTRGRYREFY QCDFDIAGNFDPMPDAECLKIMCEILSSLQIGDFLVKVNDRRILDGMFAICGVSDSKF RTICSSVDKLDKVSWEVKNEVMGEKGLAPEVADRIGDYVQQHGGVSLVEQ
Purity	95%, 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.

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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

Gene Name	HARS histidyl-tRNA synthetase [Homo sapiens]
Official Symbol	HARS
Synonyms	HARS; histidyl-tRNA synthetase; histidine--tRNA ligase, cytoplasmic; histidine tRNA ligase 1; cytoplasmic; HisRS; histidine translase; HRS; USH3B; FLJ20491;
Gene ID	3035
mRNA Refseq	NM_001258040
Protein Refseq	NP_001244969
MIM	142810
UniProt ID	P12081

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