

Recombinant Human EPRS protein, His-tagged

Cat. No. EPRS-3461H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human EPRS protein(1163-1512 aa), fused to His tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	1163-1512 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	RTREFLWQEGHSAFATMEEAAEEVLQILDLYAQVYEELLAIPVVKGRKTEKEKFAGG DYTTTIEAFISASGRAIQGGTSHHLGQNF SKMFEIVFEDPKIPGEKQFAYQNSWGLTT RTIGVMTMVHGDNMGLVLPVRVACVQVVIIPCGITNALSEEDKEALIAKCNDYRRRL SVNIRVRADLRDNYSPGWKFNHWE LKGVP IRLVGPRDMKSCQFVAVRRDTGEKL TVAENEAETKLQAILEDIQVTLFTRASEDLKTHMVVANTMEDFQKILDSGKIVQIPFCG EIDCEDWIKKTTARDQDLEPGAPSMGAKSLCIPFKPLCELQPGAKVCVGKNPAKYTT LFGRSY
Purity	90%, 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

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containing 50% glycerol is recommended for reconstitution. Avoid repeat freeze-thaw cycles.

Reconstitution

Reconstitute at 0.25 $\mu\text{g}/\mu\text{l}$ 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 EPRS glutamyl-prolyl-tRNA synthetase [Homo sapiens]

Official Symbol EPRS

Synonyms EPRS; glutamyl-prolyl-tRNA synthetase; QARS, QPRS; bifunctional glutamate/proline--tRNA ligase; EARS; GLUPRORS; glutamate tRNA ligase; PARS; proline tRNA ligase; proline-tRNA ligase; prolyl-tRNA synthetase; glutaminyl-tRNA synthetase; proliferation-inducing protein 32; bifunctional aminoacyl-tRNA synthetase; proliferation-inducing gene 32 protein; cell proliferation-inducing gene 32 protein; QARS; QPRS; PIG32; DKFZp313B047;

Gene ID 2058

mRNA Refseq NM_004446

Protein Refseq NP_004437

MIM 138295

UniProt ID P07814

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