

Recombinant Human YARS2, GST-tagged

Cat. No. YARS2-3762H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human YARS2 protein, fused to GST-tag, was expressed in E.coli and purified by GSH-sepharose.
Species	Human
Source	E.coli
ProteinLength	128-477aa
Storage	The protein is stored in PBS buffer at -20°C. Avoid repeated freezing and thawing cycles.
Storage Buffer	1M PBS (58mM Na ₂ HPO ₄ , 17mM NaH ₂ PO ₄ , 68mM NaCl, pH8.) added with 100mM GSH and 1% Triton X-100, 15% glycerol.

GENE INFORMATION

Gene Name	YARS2 tyrosyl-tRNA synthetase 2, mitochondrial [Homo sapiens]
Official Symbol	YARS2
Synonyms	YARS2; tyrosyl-tRNA synthetase 2, mitochondrial; tyrosine--tRNA ligase, mitochondrial; CGI 04; FLJ13995; mt TyrRS; tyrosine tRNA ligase 2; mitochondrial; tyrosine tRNA ligase 2, mitochondrial; TYRRS; CGI-04; MLASA2; MT-TYRRS;

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Gene ID	51067
mRNA Refseq	NM_001040436
Protein Refseq	NP_001035526
MIM	610957
UniProt ID	Q9Y2Z4
Chromosome Location	12p11.21
Pathway	Aminoacyl-tRNA biosynthesis, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, conserved biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, organism-specific biosystem; Aminoacyl-tRNA biosynthesis, eukaryotes, conserved biosystem; Gene Expression
Function	ATP binding; ligase activity; nucleotide binding; protein homodimerization activity; tRNA binding; tRNA binding; tyrosine binding; tyrosine-tRNA ligase activity; tyrosine-tRNA ligase activity; tyrosine-tRNA ligase activity;