

Recombinant Human YARS protein, GST-tagged

Cat. No. YARS-3776H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human YARS protein(P54577)(2-528aa), fused to N-terminal GST tag, was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	2-528aa
Form	If the delivery form is liquid, the default storage buffer is Tris/PBS-based buffer, 5%-50% glycerol. If the delivery form is lyophilized powder, the buffer before lyophilization is Tris/PBS-based buffer, 6% Trehalose, pH 8.0.
Molecular Mass	86 kDa
AA Sequence	GDAPSPEEKLHLITRNLQEVLGEEKLKEILKERELKIYWGTTATTGKPHVAYFVPMSKI ADFLKAGCEVTILFADLHAYLDNMKAPWELLELRVSYENVIKAMLESIGVPLEKLKFI KGTDYQLSKEYTLDVYRLSSVVTQHDSKKAGAEVVKQVEHPLLGLLYPGLQALDE EYLKVDAQFGGIDQRKIFTFAEKYLPALGYSKRVHLMNPMVPGLTGSKMSSSEESK IDLLDRKEDVKKKLKAFCEPGNVENNGVLSFIKHVLFPLKSEFVILRDEKWGGNKTY TAYVDLEKDFAAEVVHPGDLKNSVEVALNKLLDPIREKFNTPALKKLASAAYPDPSK QKPMAGPAKNSEPEEVIPSRLDIRVGKIITVEKHPDADSLYVEKIDVGAEPRTVVS GLVQFVPKEELQDRLVVVLCNLKPQKMRGVESQGMLLCASIEGINRQVEPLDPPAG SAPGEHVFKGYEKGQPDEELKPKKKVFEKLQADFKISEECIAQWKQTNFMTKLGS

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

	SCKSLKGGNIS
Purity	Greater than 90% as determined by SDS-PAGE.
Storage	Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.
Reconstitution	Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%.

GENE INFORMATION

Gene Name	YARS tyrosyl-tRNA synthetase [Homo sapiens]
Official Symbol	YARS
Synonyms	YARS; tyrosyl-tRNA synthetase; tyrosine--tRNA ligase, cytoplasmic; tyrosine tRNA ligase 1; cytoplasmic; tyrRS; YRS; YTS; tyrosyl--tRNA ligase; tyrosine tRNA ligase 1, cytoplasmic; tyrosyl-tRNA synthetase, cytoplasmic; TYRRS; CMTDIC;
Gene ID	8565
mRNA Refseq	NM_003680
Protein Refseq	NP_003671
MIM	603623
UniProt ID	P54577

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