

Recombinant Human YARS2 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. YARS2-4094H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	YARS2 MS Standard C13 and N15-labeled recombinant protein (NP_001035526) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	This gene encodes a mitochondrial protein that catalyzes the attachment of tyrosine to tRNA(Tyr). Mutations in this gene are associated with myopathy with lactic acidosis and sideroblastic anemia type 2 (MLASA2).
Molecular Mass	53.2 kDa
AA Sequence	MAAPILRSFSWGRWSGTLNLSVLLPLGLRKAHSGAQGLLAAQKARGLFKDFFPETG TKIELPELFDRTGTASFPQTIYCGFDPTADSLHVGHLALLGLFHLQRAGHNVIALVGG ATARLGDPGSGRTKEREALETERVRANARALRLGLEALAAHQQLFTDGRSWGVSFTV LDNSAWYQKQHLVDFLAAVGGHFRMGTLISRQSVQLRLKSPEGMSLAEFFYQVLQ AYDFYYLFQRYGCRVQLGGSDQLGNIMSGYEFINKLTGEDVFGITVPLITSTTGAKLG KSAGNAVWLNDRDKTSPFELYQFFVRQPDDSEVERYLKLTFTLPLPEIDHIMQLHVKEP ERRGPQKRLAAEVTCLVHGREGLDIAKRCQALYHSSIDALEVMSDQELKELFKEA PFSEFFLDPGTSVLDTCKRANAIPDGPRGYRMITEGGVSINHQQVTNPESVLIVGQHI LKNGLSLLKIGKRNFYIIKWLQLTRTRPLEQKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining

 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

Stability	Stable for 3 months from receipt of products under proper storage and handling conditions.
Storage	Store at -80 centigrade. Avoid repeated freeze-thaw cycles.
Concentration	50 µg/mL as determined by BCA
Storage Buffer	100 mM glycine, 25 mM Tris-HCl, pH 7.3.

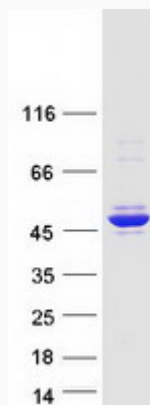
GENE INFORMATION

Gene Name	YARS2 tyrosyl-tRNA synthetase 2 [Homo sapiens (human)]
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;
Gene ID	51067
mRNA Refseq	NM_001040436
Protein Refseq	NP_001035526
MIM	610957
UniProt ID	Q9Y2Z4

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SDS-PAGE

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