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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

mail@szabo-scandic.com

www.szabo-scandic.com

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

Datasheet

YARS (Human) Recombinant Protein (P01)

Catalog Number: H00008565-P01

Regulation Status: For research use only (RUO)

Product Description: Human YARS full-length ORF (AAH16689, 1 a.a. - 528 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MGDAPSPPEEKLHLITRNLQEVLGEEKLKEILKERELKIY
WGTATTGKPHVAYFVPMSKIADFLKAGCEVTILFADLH
AYLDNMKAPWELLELRVSYENVIKAMLESIGVPLEKL
KFIKGTDYQLSKEYTLDVYRLSSVVTQHDSKKAGAEV
KQVEHPLLSGLLYPGLQALDEEYLKVDQAQFGGIDQRKI
FTFAEKYLPALGYSKRVHLMNPMVPGLTGSKMSSSEE
ESKIDLLDRKEDVKKLKAFCPEGNVENNGVLSFIKH
VLFPLKSEFVILRDEKWWGNKTYTAYVDLEKDFAAEV
HPGDLKNSVEVALNKLLDPIREKFNTPALKKLASAAYP
DPSKQKPMAGPAKNSEPEEVIPSRDIRVGGIITVEKH
PDADSLYVEKIDVGEAEPRTVVSGLVQFVPKEELQDRL
VVVLCNLKPQKMRGVESQGMLLCASIEGINRQVEPLD
PPAGSAPGEHVFVKGYEKQPDEELPKKKVFEKLQA
DFKISEECIAQWKQTNFMTKLSISCKSLKGGNIS

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 83.82

Interspecies Antigen Sequence: Rat (95)

Applications: AP, Array, ELISA, WB-Re
(See our web site product page for detailed applications information)

Protocols: See our web site at
<http://www.abnova.com/support/protocols.asp> or product page for detailed protocols

Preparation Method: [in vitro wheat germ expression system](#)

Purification: Glutathione Sepharose 4 Fast Flow

Storage Buffer: 50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

Storage Instruction: Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 8565

Gene Symbol: YARS

Gene Alias: CMTDIC, TYRRS, YRS, YTS

Gene Summary: Aminoacyl-tRNA synthetases catalyze the aminoacylation of tRNA by their cognate amino acid. Because of their central role in linking amino acids with nucleotide triplets contained in tRNAs, aminoacyl-tRNA synthetases are thought to be among the first proteins that appeared in evolution. Tyrosyl-tRNA synthetase belongs to the class I tRNA synthetase family. Cytokine activities have also been observed for the human tyrosyl-tRNA synthetase, after it is split into two parts, an N-terminal fragment that harbors the catalytic site and a C-terminal fragment found only in the mammalian enzyme. The N-terminal fragment is an interleukin-8-like cytokine, whereas the released C-terminal fragment is an EMAP II-like cytokine. [provided by RefSeq]