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See the following pages for more information!



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

HARS (Human) Recombinant Protein (P01)

Catalog Number: H00003035-P01

Regulation Status: For research use only (RUO)

Product Description: Human HARS full-length ORF (AAH11807, 1 a.a. - 509 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence:

MAERAAL EELVKLQGERV RGLKQQKASAE LIEEEVAKL
LKLKAQLGPDESKQKFVLKTPKGTRDYSPRQMAVREK
VFDVIIRCFKRHGAEVIDTPVFELKETLMGKYGEDSKLI
YDLKDQGGELLSRLYDLTVPFARYLAMNKLTNIKRYHI
AKVYRRDNPAMTRGRYREFYQCDFDIAGNFDPMIPDA
ECLKIMCEILSSLQIGDFLVKVNDRRILDGMFAICGVSD
SKFRTICSSVDKLDKVSWEVKNEMVGEKGLAPEVAD
RIGDYVQQHGGVSLVEQLLQDPKLSQNKQALEGLGDL
KLLFEYLT LFGIDDKISFDLSLARGLDYYTGVIYEAVLLQ
TPAQAGEEPLGVGSVAAGGRYDGLVGMFDPKGRKVP
CVGLSIGVERIFSIVEQRLEALEEKIRTTETQVLVASAQ
KKLLEERLKL VSELWDAGIKAELLYKKNPKLLNQLQYC
EEAGIPLVAIIGEQLKDGVIKLRSVTSREEVDVRREDL
VEEIKRRTGQPLCIC

Host: Wheat Germ (in vitro)

Theoretical MW (kDa): 81.73

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: 3035

Gene Symbol: HARS

Gene Alias: FLJ20491, HRS

Gene Summary: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate amino acids. The protein encoded by this gene is a cytoplasmic enzyme which belongs to the class II family of aminoacyl-tRNA synthetases. The enzyme is responsible for the synthesis of histidyl-transfer RNA, which is essential for the incorporation of histidine into proteins. The gene is located in a head-to-head orientation with HARSL on chromosome five, where the homologous genes share a bidirectional promoter. The gene product is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis. [provided by RefSeq]