

Recombinant Human HARS Protein, GST-tagged

Cat. No. HARS-4580H Lot. No. (See product label)

SPECIFICATION

Product Overview	Human HARS full-length ORF (AAH11807, 1 a.a. - 509 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	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]
Molecular Mass	81.73 kDa
AA Sequence	MAERAALEELVKLQGERVRLKQKASAEIIEEEVAKLLKKAQLGPDESKQKFVLK TPKGTRDYSRQMAVREKVFVDVIIRCFKRHGAEVIDTPVFELKETLMGKYGEDSKLIY DLKDQGGELLSRLYDLTVPFARYLAMNKLNIKRYHIAKVYRRDNPAMTRGRYREFY QCDFDIAGNFDPMIPDAECLKIMCEILSSLQIGDFLVKVNDRRILDGMFAICGVSDSKF RTICSSVDKLDKVSWEVKNEVMGKGLAPEVADRIGDYVQQHGGVSLVEQLLQDP KLSQNKQALEGLGDLKLLFEYLTLFGIDDKISFDLSLARGLDYYTGVIYEAVLLQTPAQ

 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

AGEEPLGVGSVAAGGRYDGLVGMFDPKGRKVPCVGLSIGVERIFSIVEQRLEALEEK
 IRTTETQVLVASAQKKLLEERLKLSELWDAGIKAELLYKKNPKLLNQLQYCEEAGIPL
 VAIIGEQELKDGVIKLRSVTSREEVDVRREDLVEEIKRRTGQPLCIC

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -8 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	HARS histidyl-tRNA synthetase [Homo sapiens]
Official Symbol	HARS
Synonyms	HARS; histidyl-tRNA synthetase; histidine--tRNA ligase, cytoplasmic; histidine tRNA ligase 1; cytoplasmic; HisRS; histidine transase; HRS; USH3B; FLJ20491;
Gene ID	3035
mRNA Refseq	NM_001258040
Protein Refseq	NP_001244969
MIM	142810

 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

UniProt ID

P12081

Quality Control
Testing



12.5% SDS-PAGE Stained with Coomassie Blue.

 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