

Product datasheet for AR09664PU-N

OriGene Technologies, Inc.

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Histidyl-tRNA synthetase / HARS (1-509, His-tag) Human Protein

Product data:

Product Type: Recombinant Proteins

Description: Histidyl-tRNA synthetase / HARS (1-509, His-tag) human recombinant protein, 50 μg

Species: Human
Expression Host: E. coli

Expression cDNA Clone

or AA Sequence:

MGSSHHHHHH SSGLVPRGSH MGSMAERAAL EELVKLQGER VRGLKQQKAS AELIEEEVAK LLKLKAQLGP DESKQKFVLK TPKGTRDYSP RQMAVREKVF DVIIRCFKRH GAEVIDTPVF ELKETLMGKY GEDSKLIYDL KDQGGELLSL RYDLTVPFAR YLAMNKLTNI KRYHIAKVYR

RDNPAMTRGR YREFYQCDFD IAGNFDPMIP DAECLKIMCE ILSSLQIGDF LVKVNDRRIL DGMFAICGVS DSKFRTICSS VDKLDKVSWE EVKNEMVGEK GLAPEVADRI GDYVQQHGGV

SLVEQLLQDP KLSQNKQALE GLGDLKLLFE YLTLFGIDDK ISFDLSLARG LDYYTGVIYE AVLLQTPAQA GEEPLGVGSV AAGGRYDGLV GMFDPKGRKV PCVGLSIGVE RIFSIVEQRL EALEEKIRTT ETQVLVASAQ KKLLEERLKL VSELWDAGIK AELLYKKNPK LLNQLQYCEE AGIPLVAIIG EQELKDGVIK LRSVTSREEV

DVRREDLVEE IKRRTGQPLC IC

Tag: His-tag

Predicted MW: 59.8 kDa

Concentration: lot specific

Purity: >95% by SDS – PAGE

Buffer: Presentation State: Purified

State: Liquid purified protein

Buffer System: 20 mM Tris-HCl buffer (pH 8.0) containing 10% glycerol, 1 mM DTT, 0.1M NaCl

Preparation: Liquid purified protein

Protein Description: Recombinant human HARS protein, fused to His-tag at N-terminus, was expressed in E.coli

and purified by using conventional chromatography techniques.

Storage: Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C or -70°C for longer.

Avoid repeated freezing and thawing.

Stability: Shelf life: one year from despatch.

RefSeq: NP 001244969

Locus ID: 3035



Histidyl-tRNA synthetase / HARS (1-509, His-tag) Human Protein - AR09664PU-N

 UniProt ID:
 P12081

 Cytogenetics:
 5q31.3

Synonyms: CMT2W; HARS; HRS; USH3B

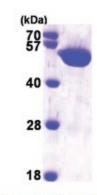
Summary: Aminoacyl-tRNA synthetases are a class of enzymes that charge tRNAs with their cognate

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. Several transcript variants encoding different isoforms have been found for this gene. [provided by

RefSeq, Apr 2012]

Protein Pathways: Aminoacyl-tRNA biosynthesis

Product images:



15% SDS-PAGE (3ug)