

## 32-2427: HARS His Recombinant Protein

**Alternative Name :** Histidyl-tRNA synthetase cytoplasmic, Histidine--tRNA ligase, HisRS, HARS, HRS, FLJ20491.

### Description

Source : Escherichia Coli. HARS Human Recombinant fused with a 23 amino acid His tag at N-terminus produced in E.Coli is a single, non-glycosylated, polypeptide chain containing 532 amino acids (1-509 a.a.) and having a molecular mass of 59.4kDa. The HARS is purified by proprietary chromatographic techniques. Histidyl-tRNA synthetase (HARS) functions to catalyze the aminoacylation of tRNAs by their corresponding amino acids. HARS is a member of the class II family of aminoacyl-tRNA synthetases. HARS is responsible for the synthesis of histidyl-transfer RNA, which is vital for the incorporation of histidine into proteins. HARS is a frequent target of autoantibodies in the human autoimmune disease polymyositis/dermatomyositis.

### Product Info

**Amount :** 10 µg

**Purification :** Greater than 95.0% as determined by SDS-PAGE.

**Content :** The HARS solution (1 mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl.

**Storage condition :** Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA). Avoid multiple freeze-thaw cycles.

**Amino Acid :** MGSSHHHHHH SSGLVPRGSH MGSMAERAAL EELVKLQGER VRGLKQKAS AELIEEEVAK  
LLKLKAQLGP DESKQKFVLK TPKGTRDYSP RQMAVREKVF DVIIRCFKRH GAEVIDTPVF ELKETLMGKY  
GEDSKLIYDL KDQGGELLSL RYDLTVPFAR YLAMNKLNI KRYHIKVYR RDNPAMTRGR YREFYQCDFD  
IAGNFDPMIP DAECKIMCE ILSSLQIGDF LVKVNDRRIL DGMFAICGVS DSKFRTICSS VDKLKDVSWE  
EVKNEMVGEK GLAPEVADRI GDYVQQHGGV SLVEQLLQDP KLSQNKQALE GLGDLKLLFE YLTLFGIDDK  
ISFDLSLARG LDYYTGVIYE AVLLQTPAQA GEEPLGVGSV AAGGRYDGLV GMFDPKGRKV PCVGLSIGVE  
RIFSIVEQRL EALEEKIRTT ETQVLVASAQ KKLEERLKL VSELWDAGIK AELLYKKNPK LLNQLQYCEE  
AGIPLVAIIG EQELKDGVIK LRSVTSREEV DVRREDLVEE IKRRTGQPLC IC.

