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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 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.

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