

Histidyl-tRNA Synthetase Human Recombinant, His Tag

Item Number	rAP-1852
Synonyms	Histidyl-tRNA synthetase cytoplasmic, Histidine--tRNA ligase, HisRS, HARS, HRS, FLJ20491.
Description	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.
Uniprot Accession Number	P12081
Amino Acid Sequence	MGSSHHHHH SSGLVPRGSH MGSMARAAL EELVKLQGER VRGLKQKAS AELIEEEVAK LLKLKAQLGP DESKQKFVLK TPKGTRDYSP RQMAVREKVF DVIIRCFKRH GAEVIDTPVF ELKE- TLMGKY GEDSKLIYDL KDQGGELLSL RYDLTVPFAR YLAMNKLNI KRYHIKVYR RDNPAATRGR YREFYQCDFD IAGNFDPMP DAELCKIMCE 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 LLNLQYCEE AGIPLVAIIG EQELKDGVIK LRSVTSREEV DVRREDLVEE IKRRTGQPLC
Source	Escherichia Coli.
Physical Appearance and Stability	Sterile Filtered colorless solution. 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.
Formulation and Purity	The HARS solution (1mg/ml) contains 20mM Tris-HCl buffer(pH 8.0), 10% glycerol, 1mM DTT and 0.1M NaCl. Greater than 95.0% as determined by SDS-PAGE.
Application	
Solubility	
Biological Activity	
Shipping Format and Condition	Lyophilized powder at room temperature.

Optimal dilutions should be determined by each laboratory for each application. The listed dilutions are for recommendation only and the final conditions should be optimized by the ender users! This product is sold for **Research Use Only**