



Recombinant Human HARS Protein Product Manual

1. Product Basic Information

Product No.: REP07077

Protein Name: HARS

Aliases: cytoplasmic; EC 6.1.1.21; FLJ20491; HARS; HisRS; Histid

UniProt ID: P12081

UniProt Link: <https://www.uniprot.org/uniprotkb/P12081/entry>

Species Source: Homo sapiens (Human)

Expression System: Baculovirus

Protein Length: Partial (2-504aa)

Molecular Weight: 58.7kDa

Protein Tag: N-terminal 6xHis-tagged

2. Amino Acid Sequence (2-504aa)

AERAALEELVKLQGERVRGLKQQKASAEIEEEVAKLLKLKAQLGPDESKQKFVLKT
PKGTRDYSRQMAVREKVFVDVIIRCFKRHGAVIDTPVFELKETLMGKYGEDSKLIY
DLKDQGGELLSLRYDLTVPFARYLAMNKL T NIKRYHIAKVYRRDNPAMTRGRYREF
YQCDFDIAGNFDPMIPDAECLKIMCEILSSLQIGDFLVKVNDRRILDGMFAICGVSDS
KFRTICSSVDKLDKVSWEVKNEMVGEKGLAPEVADRIGDYVQQHGGVSLVEQLL
QDPKLSQNKQALEGLGDLKLLFEYLT LFGIDDKISFDLSLARGLDYYTGVIYEAVLLQ
TPAQAGEEPLGVGSVAAGGRYDGLVGMFDPKGRKVPCVGLSIGVERIFSIVEQRLE
ALEEKIRTTTETQVLVASAQKKLLEERLKLVSSELWDAGIKAELLYKKNPKLLNQLQYCE
EAGIPLVAIIGEQLKDGVIKLRSVTSREEVDVRREDLVEEIKRRTGQ

3. Storage Buffer

Liquid Delivery Form: Tris/PBS-based buffer with 5%-50% glycerol. Custom glycerol content is available upon customer request (please specify requirements when placing orders).

Lyophilized Powder Delivery Form: Pre-lyophilization buffer is Tris/PBS-based buffer containing 6% Trehalose.

4. Storage Conditions

Upon receipt, store the product at -20°C or -80°C. It is recommended to aliquot the protein for multiple uses to avoid repeated freeze-thaw cycles, which may cause protein denaturation and activity loss.

5. Product Description

This product is a recombinant Human HARS partial protein (2-504aa) expressed in Baculovirus. The protein is with 6xHis tag at the N-terminus, which facilitates protein purification, detection and identification. HARS, also known as cytoplasmic or EC 6.1.1.21 or FLJ20491, is suitable for related in vitro functional assays, protein interaction studies, antibody preparation and other biomedical research applications.

6. Notes

- Repeated freezing and thawing of the product is strictly prohibited to ensure protein stability and biological activity.
- For special buffer component requirements, please submit a note when purchasing.
- This product is only for scientific research use, not for clinical diagnosis, treatment or commercial production purposes.