



Recombinant Human HARS2 Protein Product Manual

1. Product Basic Information

Product No.: REP07078

Protein Name: Histidine Translase (HARS2)

Aliases: HO3; HARSL; HARSR; HisRS; PRLTS2; HARS-related; histidine translase; histidine-tRNA ligase homolog; histidine--tRNA ligase, mitochondrial; histidyl-tRNA synthetase 2, mitochondrial; probable histidine...

UniProt ID: P49590

UniProt Link: <https://www.uniprot.org/uniprotkb/P49590/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Full Length of Mature Protein (34-506aa)

Molecular Weight: 69.4kDa

Protein Tag: N-terminal 6xHis-SUMO-tagged

2. Amino Acid Sequence (34-506aa)

QSQVAEAVLTSQKHAHQEKPNFIIKTPKGTRDLSPQHMVVREKILDLVISCFKRHGA
KGMDTPAFELKETLTEKYGEDSGLMYDLKDQGGELLSRLYDLTVPFARYLAMNKVK
KMKRYHVGKVWRRESPTIVQGRYREFCQCDFDIAGQFDPMIPDAECLKIMCEILSG
LQLGDFLIKVNDRRIVDGMFAVCGVPESKFRAICSSIDKLDKMAWKDVRHEMVVKK
GLAPEVADRIGDYVQCHGGVSLVEQMFQDPRLSQNKQALEGLGDLKLLFEYLTFLG
IADKISFDLSLARGLDYYTGVIYEAVLLQTPTQAGEEPLNVGSVAAGGRYDGLVGMF
DPKGHKVPCVGLSIGVERIFYVEQRMKTGKEKVRTTETQVFVATPQKNFLQERLKL
AELWDSGIKAEMLYKNNPKLLTQLHYCESTGIPLVVIIGEQLKEGVKIRSVASREEV
AIKRENFVAEIQKRLSES

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

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 HARS2 full length of mature protein protein (34-506aa) expressed in E.coli. The protein is with 6xHis-SUMO tag at the N-terminus, which facilitates protein purification, detection and identification. HARS2, also known as HO3 or HARSL or HARSR, 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.