



Recombinant Human ACSL3 Protein Product Manual

1. Product Basic Information

Product No.: REP06030

Protein Name: Arachidonate--CoA Ligase (ACSL3)

Aliases: ACS3; FAAL3; LACS3; LACS PRO2194; arachidonate--CoA ligase; lignoceroyl-CoA synthase; fatty acid CoA ligase Acsl3

UniProt ID: O95573

UniProt Link: <https://www.uniprot.org/uniprotkb/O95573/entry>

Species Source: Homo sapiens (Human)

Expression System: Mammalian cell

Protein Length: Partial (42-720aa)

Molecular Weight: 76.9 kDa

Protein Tag: C-terminal 10xHis-tagged

2. Amino Acid Sequence (42-720aa)

YFFSESQRQEKSNRIKAKPVNSKPD SAYRSVNSLDGLASVLYPGCDTLDKVFTYAKN
KFKNKRLLGTREVLNEEDEVPNGKIFKKVILGQYNWLSYEDVFVRAFNFNGNLQM
LGQKPKTNIAIFCETRAEWMIAAQACFMYNFQLVTLYATLGGAIVHALNETEVTNIIT
SKELLQTKLKDIVSLVPRLRHIITVDGKPPTWSEFPKGIIVHTMAAVEALGAKASMEN
QPHSKPLPSDIAVIMYTSGSTGLPKGVMISHSNIIAGITGMAERIPELGEEDVYIGYLP
LAHVLELSAELVCLSHGCRIGYSSPQTLADQSSKIKKGSKGDTSMKPTLMAAVPEI
MDRIYKNVMNKVSEMSSFQRNLFILAYNYKMEQISKGRNTPLCDSFVFRKVRSLLG
GNIRLLLCGGAPLSATTQRFMNICFCPPVGQGYGLTESAGAGTISEVWDYNTGRVG
APLVCCEIKLKNWEEGGYFNTDKPHPRGEILIGGQSVTMGYKNEAKTKADFFEDE
NGQRWLCTGDIGEFEPDGCLKIIDRKKDLVKLQAGEYVSLGKVEAALKNLPLVDNIC
AYANSYHSYVIGFVVPNQKELTELARKKGLKGTWEELCNSCEMENEVLKVLSEAAIS
ASLEKFEIPVKIRLSPEPWTPETGLVTDAFKLKRKELKTHYQADIERMYGRK

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)

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 ACSL3 partial protein (42-720aa) expressed in Mammalian cell. The protein is with 10xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ACSL3, also known as ACS3 or FACL3 or LACS3, 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.