



Recombinant Human ACSL4 Protein Product Manual

1. Product Basic Information

Product No.: REP06031

Protein Name: Acyl-Coa Synthetase Arachidonate--Coa Ligase (ACSL4)

Aliases: ACS4; FAACL4; LACS4; MRX63; MRX68; XLID63; acyl-CoA synthetase arachidonate--CoA ligase; lignoceroyl-CoA synthase

UniProt ID: O60488

UniProt Link: <https://www.uniprot.org/uniprotkb/O60488/entry>

Species Source: Homo sapiens (Human)

Expression System: E.coli

Protein Length: Partial (29-711aa)

Molecular Weight: 82.9 kDa

Protein Tag: C-terminal 6xHis-tagged

2. Amino Acid Sequence (29-711aa)

PWYFLTNAKKKNAMAKRIKAKPTSDKPGSPYRSVTHFDSLAVIDIPGADTLDKLFDH
AVSKFGKKDSLGTREILSEENEMQPNGKVFKKLILGNYKWMNYLEVNRVNNFGS
GLTALGLKPKNTIAIFCETRAEWMIAAQTCFKYNFPLVTLYATLGKEAVVHGLNESEA
SYLITSVELLESKLKTALLDISCVKHIIYVDNKAINKAYPEGFEIHSMQSV EELGSNPE
NLGIPPSRPTPSDMAIVMYTSGSTGRPKGVMHHSNLIAGMTGQCERIPGLGPKDT
YIGYLPLAHVLELTAEISCFTYGCRIGYSSPLTLSDQSSKIKKGSKGDCVT LKPTLMA
AVPEIMDRIYKNVMSKVQEMNYIQKTLFKIGYDYKLEQIKKGYDAPLCNLLLFKKVKA
LLGGNVRMMLSGGAPLSPQTHRFMNVCFCCPIGQGYGLTESCGAGTVTEVTDYTT
GRVGAPLICCEIKLDWQEGGYTINDKPNPRGEIVIGGQNISMGYFKNEEKTAEDYS
VDENGQRWFCTGDIGEFHPDGCLQIIDRKKDLVKLQAGEYVSLGKVEAALKNCPLID
NICAFAKSDQSYVISFVVPNQKRLTLAQQKGV EGTWVDICNNPAMEAEILKEIREAA
NAMKLERFEIPIKVRLSPEPWTPETGLVTD AFKLKRKELRNHYLKDIERMYGGK

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 ACSL4 partial protein (29-711aa) expressed in E.coli. The protein is with 6xHis tag at the C-terminus, which facilitates protein purification, detection and identification. ACSL4, also known as ACS4 or FACL4 or LACS4, 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.