

Product datasheet for **TP305356**

FACL4 (ACSL4) (NM_004458) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human acyl-CoA synthetase long-chain family member 4 (ACSL4), transcript variant 1, 20 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC205356 protein sequence Red =Cloning site Green =Tags(s) |

MAKRIKAKPTSDKPGSPYRSVTHFDSLAVIDIPGADTLDKLFDHAVSKFGKKDSLGTREILSEENEMQPN
GKVFKKLILGNYKWMNYLEVNRVNNFGSGLTALGLPKNTIAIFCETRAEWMIAAQTCFKYNFPLVTLTY
ATLGKEAVVHGLNESEASYLITSVELLESKLTALLDISCVKHIIYVDNKAINKAEYPEGFEIHSMSQSV
ELGSNPENLGIPPSRPTPSDMAIVMYTSGSTGRPKGVMHHSNLIAGMTGQCERIPGLGPKDITYGYLPL
AHVLELTAEISCFTYGCRIGYSSPLTSDQSSKIKKGSKGDCTVLKPTLMAAVPEIMDRIYKNVMSKVQE
MNYIQKTLFKIGYDYKLEQIKKGYDAPLCNLLLFFKKVKALLGGNVRMMLSGGAPLSPQTHRFMNVCFCCP
IGQGYGLTESCGAGTVTEVTDYTTGRVGAPLICCEIKLDWQEGGYTINDKPNPRGEIVIGGQNISMGYF
KNEEKTAEDYSVDENGQRWFCTGDIGEFHPDGCLQIIDRKKDLVKLQAGEYVSLGKVEAALKNCPLIDNI
CAFAKSDQSYVISFVVPNQKRLTLAQQKGVGTWVDICNNPAMEAEILKEIREAANAMKLERFEIPIKV
RLSPEPWTPETGLVTDFAFLKRLKELRNHYLKDIERMYGGK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

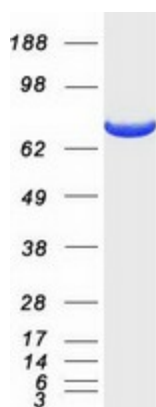
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 74.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |
| Note: | For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process. |
| Storage: | Store at -80°C. |



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| Stability: | Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles. |
| RefSeq: | NP_004449 |
| Locus ID: | 2182 |
| UniProt ID: | O60488 |
| RefSeq Size: | 5039 |
| Cytogenetics: | Xq23 |
| RefSeq ORF: | 2010 |
| Synonyms: | ACS4; FACL4; LACS4; MRX63; MRX68 |
| Summary: | The protein encoded by this gene is an isozyme of the long-chain fatty-acid-coenzyme A ligase family. Although differing in substrate specificity, subcellular localization, and tissue distribution, all isozymes of this family convert free long-chain fatty acids into fatty acyl-CoA esters, and thereby play a key role in lipid biosynthesis and fatty acid degradation. This isozyme preferentially utilizes arachidonate as substrate. The absence of this enzyme may contribute to the cognitive disability or Alport syndrome. Alternative splicing of this gene generates multiple transcript variants. [provided by RefSeq, Jan 2016] |
| Protein Families: | Druggable Genome, Transmembrane |
| Protein Pathways: | Adipocytokine signaling pathway, Fatty acid metabolism, Metabolic pathways, PPAR signaling pathway |

Product images:



Coomassie blue staining of purified ACSL4 protein (Cat# TP305356). The protein was produced from HEK293T cells transfected with ACSL4 cDNA clone (Cat# [RC205356]) using MegaTran 2.0 (Cat# [TT210002]).