

Product datasheet for TP510270

Acs13 (NM_001136222) Mouse Recombinant Protein

Product data:

| | |
|---------------------------------------|---|
| Product Type: | Recombinant Proteins |
| Description: | Purified recombinant protein of Mouse acyl-CoA synthetase long-chain family member 3 (Acs13), with C-terminal MYC/DDK tag, expressed in HEK293T cells, 20ug |
| Species: | Mouse |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >MR210270 protein sequence Red=Cloning site Green=Tags(s) |

MNNHVSSTPSTMKLKQTINPILLYFIHFIIISLYTILTYIPFYFLCESKQEKPNIKAKPVSSKPDSAYRS
INSVDGLASVLYPGCDTLDKVFMYAKNKFKNRLLGTREILNEEDEIQPNGKIFKKVILGHYNWLSYEDV
FIRALDFGNLQMLGQKPKANIAIFCETRAEWMIAAQACFMYNFQLVTLYATLGGPAIVHGLNETEVTNI
ITSKELLQTKLKDIVSLVPRLRHITVDGKPPTWSEFPKGVIVHTMAAVQALGVKANVEKKAHASKPLPSD
IAVIMYTSGSTGIPKGMISHSNIASITGMARRIPRLGEEDVYIGYLPLAHVLELSAELVCLSHGCRIG
YSSPQTLADQSSKIKKGSKGDTSVLKPTLMAAVPEIMDRIYKNVMNKVNEMSAFQRNLFILAYNYKMEQI
SKGCSTPLCDRFVFRNVRLLGGNIRLLCGGAPLSATTQRFMNICCCPVGGQGYGLTESTGAGTITEVW
DYNTGRV GAPLVCCEIKLNWEEGGYFNTDKPHPRGEILIGGQNVMTMGYYKNEAKTKTDFEDEDNGQRWL
CTGDIGEFDPDGLKIIDRKKDLVKLQAGEYVSLGKVEAALKNLPLIDNICAYANSYHSYVIGFVVPNQK
ELTELARTKGFKGTWEELCNSSEMENEVLKVLSEAAISASLEKFEIPLKIRLSPDPWTPETGLVTDAPFL
KRKELKTHYQADIERMYGRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

| | |
|----------------|--|
| Tag: | C-MYC/DDK |
| Predicted MW: | 80.5 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 |
| 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 after receiving vials. |



[View online »](#)

| | |
|----------------------|---|
| 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_001129694 |
| Locus ID: | 74205 |
| UniProt ID: | Q9CZW4 , E9PUC2 |
| RefSeq Size: | 3392 |
| Cytogenetics: | 1 40.84 cM |
| RefSeq ORF: | 2163 |
| Synonyms: | 2610510B12Rik; Acs3; C85929; Facl3; Pro2194 |
| Summary: | Acyl-CoA synthetases (ACSL) activates long-chain fatty acids for both synthesis of cellular lipids, and degradation via beta-oxidation. ACSL3 has mainly an anabolic role in energy metabolism (By similarity). Required for the incorporation of fatty acids into phosphatidylcholine, the major phospholipid located on the surface of VLDL (very low density lipoproteins) (By similarity). Mediates hepatic lipogenesis (By similarity). Preferentially uses myristate, laurate, arachidonate and eicosapentaenoate as substrates (By similarity).[UniProtKB/Swiss-Prot Function] |