32-6644: ACSF2 Human

Alternative Name : Acyl-CoA Synthetase Family Member 2, PPARG Binding, Long Chain Fatty Acid Acyl Co-A Ligase Like, Acyl-CoA Synthetase Family Member 2, Mitochondrial, EC 6.2.1.26, EC 6.2.1.-, FLJ20920, EC 6.2.1, AVYV493, ACSMW, Acyl-CoA synthetase family member 2, mitochondrial.

Description

Source: E.coli.

Sterile Filtered colorless solution.

Acyl-CoA synthetase family member 2, also known as ACSF2 is a member of the ATP-dependent AMP-binding enzyme family. Acyl-CoA synthetases are a family of enzymes which catalyze the thioesterification of fatty acids with coenzymeA to form activated intermediates, which play a basic part in lipid metabolism as well as homeostasis of lipid-related processes. ACSF2 is required for the complex of lipid synthesis, energy production via beta-oxidation, protein acylation and fatty-acid dependent transcriptional regulation. Moreover, ACSF2 is required for fatty acid import into cells by the process of vectorial acylation.

ACSF2 Human Recombinant produced in E.Coli is a single, non-glycosylated polypeptide chain containing 597 amino acids (42-615 a.a) and having a molecular mass of 66.1kDa. ACSF2 is fused to a 23 amino acid His-tag at N-terminus & purified by proprietary chromatographic techniques.

Product Info

Amount :	5 µg / 20 µg
Purification :	Greater than 95% as determined by SDS-PAGE.
Content :	ACSF2 protein solution (0.5mg/ml) containing Phosphate Buffered Saline pH 7.4 and 10% glycerol.
Storage condition :	Store at 4°C if entire vial will be used within 2-4 weeks. Store, frozen at -20°C for longer periods of time. For long term storage it is recommended to add a carrier protein (0.1% HSA or BSA).Avoid multiple freeze-thaw cycles.
Amino Acid :	MGSSHHHHHH SSGLVPRGSH MGSLSSREVD RMVSTPIGGL SYVQGCTKKH LNSKTVGQCL ETTAQRVPER EALVVLHEDV RLTFAQLKEE VDKAASGLLS IGLCKGDRLG MWGPNSYAWV LMQLATAQAG IILVSVNPAY QAMELEYVLK KVGCKALVFP KQFKTQQYYN VLKQICPEVE NAQPGALKSQ RLPDLTTVIS VDAPLPGTLL LDEVVAAGST RQHLDQLQYN QQFLSCHDPI NIQFTSGTTG SPKGATLSHY NIVNNSNILG ERLKLHEKTP EQLRMILPNP LYHCLGSVAG TMMCLMYGAT LILASPIFNG KKALEAISRE RGTFLYGTPT MFVDILNQPD FSSYDISTMC GGVIAGSPAP PELIRAIINK INMKDLVVAY GTTENSPVTF AHFPEDTVEQ KAESVGRIMP HTEARIMNME AGTLAKLNTP GELCIRGYCV MLGYWGEPQK TEEAVDQDKW YWTGDVATMN EQGFCKIVGR SKDMIIRGGE NIYPAELEDF FHTHPKVQEV QVVGVKDDRM GEEICACIRL KDGEETTVEE IKAFCKGKIS HFKIPKYIVF VTNYPLTISG KIQKFKLREQ MERHLNL.