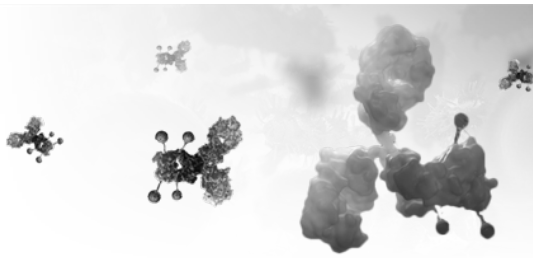

Human ACSL4 blocking peptide (CDBP1182)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-FACL4/ACSL4 antibody
Antigen Description	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 mental retardation or Alport syndrome. Alternative splicing of this gene generates 2 transcript variants.
Species	Human
Conjugate	Unconjugated
Applications	Apuri, BL, ELISA
Format	Lyophilized powder
Size	100 µg
Preservative	None
Storage	Shipped at ambient temperature, store at -20°C.

GENE INFORMATION

Gene Name	ACSL4 acyl-CoA synthetase long-chain family member 4 [Homo sapiens]
Official Symbol	ACSL4
Synonyms	ACSL4; acyl-CoA synthetase long-chain family member 4; FACL4, fatty acid Coenzyme A

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	ligase, long chain 4 , mental retardation, X linked 63 , mental retardation, X linked 68 , MRX63, MRX68; long-chain-fatty-acid--CoA ligase 4; long chain fatty acid Coenzyme A ligase 4; ACS4; LACS4; lignoceroyl CoA synthase; LACS 4; acyl-CoA synthetase 4; lignoceroyl-CoA synthase; long-chain acyl-CoA synthetase 4; long-chain fatty-acid-Coenzyme A ligase 4; fatty-acid-Coenzyme A ligase, long-chain 4; FACL4; MRX63; MRX68;
Entrez Gene ID	2182
mRNA Refseq	NM_004458
Protein Refseq	NP_004449
UniProt ID	O60488
Chromosome Location	Xq22.3-q23
Pathway	Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Fatty Acid Beta Oxidation, organism-specific biosystem; Fatty Acid Biosynthesis, organism-specific biosystem; Fatty Acyl-CoA Biosynthesis, organism-specific biosystem; Fatty acid metabolism, organism-specific biosystem; Fatty acid metabolism, conserved biosystem;
Function	ATP binding; arachidonate-CoA ligase activity; ligase activity; long-chain fatty acid-CoA ligase activity; nucleotide binding;

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