



Human FADS1 blocking peptide (CDBP1185)

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

PRODUCT INFORMATION

Product Overview	Blocking/Immunizing peptide for anti-FADS1 antibody
Antigen Description	The protein encoded by this gene is a member of the fatty acid desaturase (FADS) gene family. Desaturase enzymes regulate unsaturation of fatty acids through the introduction of double bonds between defined carbons of the fatty acyl chain. FADS family members are considered fusion products composed of an N-terminal cytochrome b5-like domain and a C-terminal multiple membrane-spanning desaturase portion, both of which are characterized by conserved histidine motifs. This gene is clustered with family members FADS1 and FADS2 at 11q12-q13.1; this cluster is thought to have arisen evolutionarily from gene duplication based on its similar exon/intron organization.
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	FADS1 fatty acid desaturase 1 [Homo sapiens]
Official Symbol	FADS1

Synonyms	FADS1; fatty acid desaturase 1; LLCDL1; D5D; delta 5 desaturase; FADS6; FADSD5; TU12; delta-5 desaturase; delta(5) desaturase; delta-5 fatty acid desaturase; delta(5) fatty acid desaturase; linoleoyl-CoA desaturase (delta-6-desaturase)-like 1; FLJ38956; FLJ90273;
Entrez Gene ID	3992
mRNA Refseq	NM_013402
Protein Refseq	NP_037534
UniProt ID	O60427
Chromosome Location	11q12-q13.1
Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem; Biosynthesis of unsaturated fatty acids, conserved biosystem; Fatty acid, triacylglycerol, and ketone body metabolism, organism-specific biosystem; Metabolism, organism-specific biosystem; Metabolism of lipids and lipoproteins, organism-specific biosystem; PPARA Activates Gene Expression, organism-specific biosystem; Regulation of Lipid Metabolism by Peroxisome proliferator-activated receptor alpha (PPARalpha), organism-specif
Function	C-5 sterol desaturase activity; heme binding; oxidoreductase activity;