

## ELISA Kit FOR Acyl-CoA desaturase

### Description

<b>Gene name:</b>	SCD;
<b>Protein name:</b>	Acyl-CoA desaturase;
<b>Alternative:</b>	Stearoyl-CoA desaturase;Delta(9)-desaturase(Delta-9 desaturase);Fatty acid desaturase;
<b>Organism:</b>	Human (Homo sapiens).

### General Annotation

<b>Sub Unit:</b>	N/A
<b>Function:</b>	Terminal component of the liver microsomal stearyl-CoA desaturase system, that utilizes O(2) and electrons from reduced cytochrome b5 to catalyze the insertion of a double bond into a spectrum of fatty acyl-CoA substrates including palmitoyl-CoA and stearoyl-CoA.
<b>Subcellular Location:</b>	Endoplasmic reticulum membrane Multi-pass membrane protein

### Protein Attributes:

<b>Sequence length:</b>	359
<b>Sequence:</b>	
<b>50:</b>	MPAHLQDDI   SSSYTTTTTI   TAPPSRVLQN   GGDKLETMPL   YLEDDIRPDI
<b>100:</b>	KDDIYDPTYK   DKEGSPKVE   YVWRNIIIMS   LLHLGALYGI   TLIPTCKFYT
<b>150:</b>	WLWGVFYFV   SALGITAGAH   RLWSHRSYKA   RLPLRFLII   ANTMAFQNDV
<b>200:</b>	YEW ARDHRAH   HKFSEHADP   HNSRRGFFFS   HVGWLLVRKH   PAVKEKGSTL
<b>250:</b>	DLSDEAEKL   VMFQRRYKPK   GLLMMCIFLP   TLVPWYFWGE   TFQNSVFVAT
<b>300:</b>	FLRYAVLNA   TWLVNSAAHL   FGYPYDKNI   SPRENILVSL   GAVGEGFHNY
<b>350:</b>	HHSFPYDYSA   SEYRWHINFT   TFFIDCMAAL   GLAYDRKKVS   KAAILARIKR
<b>359:</b>	TGDGNYKSG
<b>3D Structure:</b>	N/A

### Related Databases

<b>Pfam:</b>	PF00487
<b>String:</b>	O00767
<b>KEGG:</b>	hsa:6319
<b>MIM:</b>	604031

<b>UniGene:</b>	Hs.558396
<b>Uniprot:</b>	O00767

## References

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