Recombinant Human SCD5 293 Cell Lysate

Cat. No. SCD5-2043HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for stearoyl-CoA desaturase 5 (SCD5), transcript variant 1 is a lysate prepared from HEK293T cells transiently transfected with a TrueORF gene-carrying pCMV plasmid and then lysed in RIPA Buffer. Protein concentration was determined using a colorimetric assay. The antigen control carries a C-terminal Myc/DDK tag for detection.
Components	This product includes 3 vials: 1 vial of gene-specific cell lysate, 1 vial of control vector cell lysate, and 1 vial of loading buffer. Each lysate vial contains 0.1 mg lysate in 0.1 ml (1 mg/ml) of RIPA Buffer (50 mM Tris-HCl pH7.5, 250 mM NaCl, 5 mM EDTA, 50 mM NaF, 1% NP40). The loading buffer vial contains 0.5 ml 2X SDS Loading Buffer (125 mM Tris-Cl, pH6.8, 10% glycerol, 4% SDS, 0.002% Bromophenol blue, 5% beta-mercaptoethanol).
Size	0.1 mg
Storage Instruction	Store at -80°C. Minimize freeze-thaw cycles. After addition of 2X SDS Loading Buffer, the lysates can be stored at -20°C. Product is guaranteed 6 months from the date of shipment.

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Applications	ELISA, WB, IP. WB: Mix equal volume of lysates with 2X SDS Loading Buffer. Boil the mixture for 10 min before loading (for membrane protein lysates, incubate the mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SCD5 stearoyl-CoA desaturase 5 [Homo sapiens]
Official Symbol	SCD5
Synonyms	SCD2; SCD4; ACOD4; FADS4; HSCD5
Gene ID	79966
mRNA Refseq	NM_024906.2
Protein Refseq	NP_079182.2
MIM	608370
UniProt ID	Q86SK9
Chromosome Location	4q21.22
Pathway	Biosynthesis of unsaturated fatty acids, organism-specific biosystem;Biosynthesis of unsaturated fatty acids, conserved biosystem;PPAR signaling pathway, organism-specific biosystem;PPAR signaling pathway, conserved biosystem;oleate biosynthesis II (animals), organism-specific biosystem;
Function	iron ion binding;stearoyl-CoA 9-desaturase activity;

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