

Recombinant Human SCD5 293 Cell Lysate

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

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for stearyl-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.
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

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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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