

Recombinant Human SOAT2 293 Cell Lysate

Cat. No. SOAT2-1583HCL **Lot. No.** (See product label)

SPECIFICATION

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|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for sterol O-acyltransferase 2 (SOAT2) 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

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| Gene Name | SOAT2 sterol O-acyltransferase 2 [Homo sapiens] |
| Official Symbol | SOAT2 |
| Synonyms | SOAT2; sterol O-acyltransferase 2; ACAT2; ACAT-2; cholesterol acyltransferase 2; acyl-CoA:cholesterol acyltransferase 2; acyl Co-A: cholesterol acyltransferase 2; acyl coenzyme A:cholesterol acyltransferase 2; acyl-coenzyme A:cholesterol acyltransferase 2; ARGP2; ACACT2; MGC116732; |
| Gene ID | 8435 |
| mRNA Refseq | NM_003578 |
| Protein Refseq | NP_003569 |
| MIM | 601311 |
| UniProt ID | O75908 |
| Chromosome Location | 12 |
| Pathway | Steroid biosynthesis, organism-specific biosystem; Steroid biosynthesis, conserved biosystem; |
| Function | cholesterol O-acyltransferase activity; cholesterol binding; fatty-acyl-CoA binding; transferase activity, transferring acyl groups; |

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