

Recombinant Human SAT2 293 Cell Lysate

Cat. No. SAT2-2055HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for spermidine/spermine N1-acetyltransferase family member 2 (SAT2) 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

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SAT2 spermidine/spermine N1-acetyltransferase family member 2 [Homo sapiens]
Official Symbol	SAT2
Synonyms	SAT2; spermidine/spermine N1-acetyltransferase family member 2; spermidine/spermine N1 acetyltransferase 2; diamine acetyltransferase 2; diamine N acetyltransferase 2; SSAT2; diamine N-acetyltransferase 2; polyamine N-acetyltransferase 2; thialysine N-epsilon-acetyltransferase; spermidine/spermine N1-acetyltransferase 2; spermidine/spermine N(1)-acetyltransferase 2;
Gene ID	112483
mRNA Refseq	NM_133491
Protein Refseq	NP_597998
MIM	611463
UniProt ID	Q96F10
Chromosome Location	17p13.2
Pathway	Arginine and proline metabolism, organism-specific biosystem; Arginine and proline metabolism, conserved biosystem; GABA biosynthesis, eukaryotes, putrescine =>GABA, organism-specific biosystem; GABA biosynthesis, eukaryotes, putrescine => GABA, conserved biosystem; Metabolic pathways, organism-specific biosystem;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA



Function

diamine N-acetyltransferase activity; transferase activity, transferring acyl groups;

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA