

Recombinant Human SIT1 293 Cell Lysate

Cat. No. SIT1-1827HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for signaling threshold regulating transmembrane adaptor 1 (SIT1) 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

SIT1 signaling threshold regulating transmembrane adaptor 1 [Homo sapiens]

Official Symbol

SIT1

Synonyms

SIT1; signaling threshold regulating transmembrane adaptor 1; suppression inducing transmembrane adaptor 1; signaling threshold-regulating transmembrane adaptor 1; SHP2 interacting transmembrane adaptor; SIT; gp30/40; suppression-inducing transmembrane adapter 1; SHP2-interacting transmembrane adapter protein; SHP2-interacting transmembrane adaptor protein; RP11-331F9.5; MGC125908; MGC125909; MGC125910;

Gene ID

27240

mRNA Refseq

NM_014450

Protein Refseq

NP_055265

MIM

604964

UniProt ID

Q9Y3P8

**Chromosome
Location**

9p13-p12

Pathway

T Cell Receptor Signaling Pathway, organism-specific biosystem;

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Function

SH2 domain binding; kinase binding; protein binding;

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