

Recombinant Human SAMM50 293 Cell Lysate

Cat. No. SAMM50-2071HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
Description	Antigen standard for sorting and assembly machinery component 50 homolog (S. cerevisiae) (SAMM50) 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.

 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

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

SAMM50 sorting and assembly machinery component 50 homolog (*S. cerevisiae*) [*Homo sapiens*]

Official Symbol

SAMM50

Synonyms

SAMM50; sorting and assembly machinery component 50 homolog (*S. cerevisiae*); sorting and assembly machinery component 50 homolog; CGI 51; OMP85; TOB55; TRG 3; YNL026W; sorting and assembly machinery 50kDa; transformation-related gene 3 protein; SAM50; TRG-3; CGI-51; FLJ35825; FLJ42905; FLJ99036;

Gene ID

25813

mRNA Refseq

NM_015380

Protein Refseq

NP_056195

MIM

612058

UniProt ID

Q9Y512

**Chromosome
Location**

22q13.31

Pathway

Metabolism of proteins, organism-specific biosystem; Mitochondrial Protein Import, 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

protein binding;

 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