

Recombinant Human SAMM50 293 Cell Lysate

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

SPECIFICATION

| | |
|----------------------------|---|
| Species | Human |
| Source | HEK293 |
| Description | Antigen standard for sorting and assembly machinery component 50 homolog (<i>S. cerevisiae</i>) (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. |
| 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 [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](#);

Function [protein binding](#);

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