

Recombinant Human SMYD1 293 Cell Lysate

Cat. No. SMYD1-1645HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species Human

Source HEK293

Description

Antigen standard for SET and MYND domain containing 1 (SMYD1) 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

SMYD1 SET and MYND domain containing 1 [Homo sapiens]

Official Symbol

SMYD1

Synonyms

SMYD1; SET and MYND domain containing 1; SET and MYND domain-containing protein 1; BOP; KMT3D; ZMYND22; CD8 beta opposite; zinc finger, MYND domain containing 18; ZMYND18;

Gene ID

150572

mRNA Refseq

NM_198274

Protein Refseq

NP_938015

MIM

606846

UniProt ID

Q8NB12

**Chromosome
Location**

2p11.1

Pathway

Heart Development, organism-specific biosystem;

Function

DNA binding; metal ion binding; transcription corepressor activity; zinc ion binding;

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