

Recombinant Human NSMCE2 293 Cell Lysate

Cat. No. NSMCE2-3685HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for non-SMC element 2, MMS21 homolog (<i>S. cerevisiae</i>) (NSMCE2) 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	NSMCE2 non-SMC element 2, MMS21 homolog (<i>S. cerevisiae</i>) [<i>Homo sapiens</i>]
Official Symbol	NSMCE2
Synonyms	NSMCE2; non-SMC element 2, MMS21 homolog (<i>S. cerevisiae</i>); C8orf36, chromosome 8 open reading frame 36 , non SMC element 2 homolog (MMS21, <i>S. cerevisiae</i>); E3 SUMO-protein ligase NSE2; FLJ32440; MMS21; NSE2; hMMS21; MMS21 homolog; non-SMC element 2 homolog; methyl methanesulfonate sensitivity gene 21; non-structural maintenance of chromosomes element 2 homolog; C8orf36;
Gene ID	286053
mRNA Refseq	NM_173685
Protein Refseq	NP_775956
UniProt ID	Q96MF7
Chromosome Location	8q24.13
Function	SUMO ligase activity; ligase activity; metal ion binding; zinc ion 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