

Recombinant Human SEPX1 293 Cell Lysate

Cat. No. MSRB1-1951HCL Lot. No. (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for selenoprotein X, 1 (SEPX1) 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 mixture at room temperature for 30 min). Load 5 ug lysate per lane.

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GENE INFORMATION

Gene Name	MSRB1 methionine sulfoxide reductase B1 [Homo sapiens]
Official Symbol	MSRB1
Synonyms	SELR; SELX; SepR; SEPX1; HSPC270; methionine-R-sulfoxide reductase B1; selenoprotein R; selenoprotein X, 1
Gene ID	51734
mRNA Refseq	NM_016332
Protein Refseq	NP_057416
MIM	606216
UniProt ID	Q9NZV6
Chromosome Location	16p13.3
Pathway	Selenium, organism-specific biosystem; Selenium Metabolism and Selenoproteins, organism-specific biosystem; Selenium Pathway, organism-specific biosystem
Function	actin binding; methionine-R-sulfoxide reductase activity; zinc ion binding

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