

Recombinant Human SIGMAR1 293 Cell Lysate

Cat. No. SIGMAR1-1843HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for sigma non-opioid intracellular receptor 1 (SIGMAR1), transcript variant 1 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

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mixture at room temperature for 30 min). Load 5 ug lysate per lane.

GENE INFORMATION

Gene Name	SIGMAR1 sigma non-opioid intracellular receptor 1 [Homo sapiens]
Official Symbol	SIGMAR1
Synonyms	SIGMAR1; sigma non-opioid intracellular receptor 1; opioid receptor, sigma 1 , OPRS1; SR BP1; SR-BP; SIG-1R; sigma1R; hSigmaR1; SR31747 binding protein 1; sigma 1-type opioid receptor; aging-associated gene 8 protein; SRBP; ALS16; OPRS1; SR-BP1; MGC3851; FLJ25585;
Gene ID	10280
mRNA Refseq	NM_005866
Protein Refseq	NP_005857
MIM	601978
UniProt ID	Q99720
Chromosome Location	9p13.3
Function	C-8 sterol isomerase activity; drug binding; opioid receptor activity; receptor activity;

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