

Recombinant Human RAE1 293 Cell Lysate

Cat. No. RAE1-2550HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for RAE1 RNA export 1 homolog (<i>S. pombe</i>) (RAE1), 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

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

GENE INFORMATION

Gene Name RAE1 RAE1 RNA export 1 homolog (*S. pombe*) [*Homo sapiens*]

Official Symbol RAE1

Synonyms RAE1; RAE1 RNA export 1 homolog (*S. pombe*); RAE1 (RNA export 1, *S.pombe*) homolog; mRNA export factor; Mnrp41; mRNA export protein; rae1 protein homolog; migration-inducing gene 14; mRNA-binding protein, 41-kD; mRNA-associated protein MRNP 41; homolog of yeast Rae1 (Bharathi) mRNA-associated protein of 41 kDa (Kraemer); MIG14; MRNP41; dJ481F12.3; dJ800J21.1; FLJ30608; MGC117333; MGC126076; MGC126077;

Gene ID 8480

mRNA Refseq NM_001015885

Protein Refseq NP_001015885

MIM 603343

UniProt ID P78406

Chromosome Location 20q13.31

Pathway Antiviral mechanism by IFN-stimulated genes, organism-specific biosystem; Cytokine Signaling in Immune system, organism-specific biosystem; Disease, organism-specific biosystem; Export of Viral Ribonucleoproteins from Nucleus, organism-

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specific biosystem; Gene Expression, organism-specific biosystem; Glucose transport, organism-specific biosystem; HIV Infection, organism-specific biosystem;

Function

RNA binding; microtubule binding;

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