Recombinant Human RANBP1 293 Cell Lysate

Cat. No. RANBP1-2534HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for RAN binding protein 1 (RANBP1) 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.

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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	RANBP1 RAN binding protein 1 [Homo sapiens]
Official Symbol	RANBP1
Synonyms	RANBP1; RAN binding protein 1; ran-specific GTPase-activating protein; HTF9A; ran-binding protein 1; MGC88701;
Gene ID	5902
mRNA Refseq	NM_002882
Protein Refseq	NP_002873
MIM	601180
UniProt ID	P43487
Chromosome Location	22q11.21
Pathway	Disease, organism-specific biosystem; E2F transcription factor network, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; HTLV-I infection, organism-specific biosystem; HTLV-I infection, conserved biosystem; Host Interactions of HIV factors, organism-specific biosystem;

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Function	GDP-dissociation inhibitor activity; GTPase activator activity; Ran GTPase binding;

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