

Recombinant Human RANGAP1 293 Cell Lysate

Cat. No. RANGAP1-2532HCL **Lot. No.** (See product label)

SPECIFICATION

Species	Human
Source	HEK293
Description	Antigen standard for Ran GTPase activating protein 1 (RANGAP1) 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	RANGAP1 Ran GTPase activating protein 1 [Homo sapiens]
Official Symbol	RANGAP1
Synonyms	RANGAP1; Ran GTPase activating protein 1; SD, segregation distorter homolog (Drosophila); ran GTPase-activating protein 1; Fug1; KIAA1835; segregation distortion; segregation distorter homolog; SD; MGC20266;
Gene ID	5905
mRNA Refseq	NM_002883
Protein Refseq	NP_002874
MIM	602362
UniProt ID	P46060
Chromosome Location	22q13
Pathway	Cell Cycle, organism-specific biosystem; Cell Cycle, Mitotic, organism-specific biosystem; DNA Replication, organism-specific biosystem; Disease, organism-specific biosystem; HIV Infection, organism-specific biosystem; HIV Life Cycle, organism-specific biosystem; Host Interactions of HIV factors, organism-specific biosystem;
Function	GTPase activator activity; Ran GTPase activator activity; protein binding;

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