Recombinant Human RUNX1 293 Cell Lysate

Cat. No. RUNX1-2112HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for runt-related transcription factor 1 (RUNX1), transcript variant 2 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	RUNX1 runt-related transcription factor 1 [Homo sapiens]
Official Symbol	RUNX1
Synonyms	RUNX1; runt-related transcription factor 1; acute myeloid leukemia 1 , AML1, CBFA2; aml1 oncogene; AMLCR1; PEBP2A2; CBF-alpha-2; PEA2-alpha B; PEBP2-alpha B; oncogene AML-1; AML1-EVI-1 fusion protein; acute myeloid leukemia 1 protein; core-binding factor subunit alpha-2; SL3-3 enhancer factor 1 alpha B subunit; SL3/AKV core-binding factor alpha B subunit; core-binding factor, runt domain, alpha subunit 2; polyomavirus enhancer-binding protein 2 alpha B subunit; AML1; CBFA2; EVI-1; PEBP2aB; AML1-EVI-1;
Gene ID	861
mRNA Refseq	NM_001001890
Protein Refseq	NP_001001890
MIM	151385
UniProt ID	Q01196
Chromosome Location	21q22.3

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Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; Chronic myeloid leukemia, organism-specific biosystem; Chronic myeloid leukemia, conserved biosystem; Pathways in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem;
Function	ATP binding; DNA binding; calcium ion binding; protein binding; protein heterodimerization activity; protein homodimerization activity; regulatory region DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific DNA binding transcription factor activity; transcription factor binding;

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