Recombinant Human RUNX1T1 293 Cell Lysate

Cat. No. RUNX1T1-2110HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for runt-related transcription factor 1; translocated to, 1 (cyclin D-related) (RUNX1T1), transcript variant 4 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	RUNX1T1 runt-related transcription factor 1; translocated to, 1 (cyclin D-related) [Homo sapiens]
Official Symbol	RUNX1T1
Synonyms	RUNX1T1; runt-related transcription factor 1; translocated to, 1 (cyclin D-related); AML1T1, CBFA2T1, core binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D related; protein CBFA2T1; CDR; ETO; MTG8; ZMYND2; eight twenty one protein; myeloid translocation gene on 8q22; zinc finger MYND domain-containing protein 2; acute myelogenous leukemia 1 translocation 1, cyclin-D related; core-binding factor, runt domain, alpha subunit 2; translocated to, 1; cyclin D-related; AML1T1; CBFA2T1; MGC2796; FLJ33145; DKFZp564B213;
Gene ID	862
mRNA Refseq	NM_175636
Protein Refseq	NP_783554
MIM	133435
UniProt ID	Q06455
Chromosome Location	8q22

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Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Pathways in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, organism-specific biosystem; Transcriptional misregulation in cancer, conserved biosystem;
Function	DNA binding; identical protein binding; metal ion binding; protein binding; protein homodimerization activity; sequence-specific DNA binding transcription factor activity; zinc ion binding;

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