Recombinant Human FOXO4 293 Cell Lysate

Cat. No. FOXO4-6147HCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Human
Source	HEK293
Description	Antigen standard for forkhead box O4 (FOXO4), 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.

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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	FOXO4 forkhead box O4 [Homo sapiens]
Official Symbol	FOXO4
Synonyms	FOXO4; forkhead box O4; MLLT7, myeloid/lymphoid or mixed lineage leukemia (trithorax (Drosophila) homolog); translocated to, 7 , myeloid/lymphoid or mixed lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; forkhead box protein O4; AFX1; fork head domain transcription factor AFX1; myeloid/lymphoid or mixed-lineage leukemia (trithorax homolog, Drosophila); translocated to, 7; AFX; MLLT7; MGC120490;
Gene ID	4303
mRNA Refseq	NM_001170931
Protein Refseq	NP_001164402
MIM	300033
UniProt ID	P98177
Chromosome Location	Xq13.1
Pathway	AKT phosphorylates targets in the nucleus, organism-specific biosystem; Adaptive

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	Immune System, organism-specific biosystem; Class I PI3K signaling events mediated by Akt, organism-specific biosystem; Disease, organism-specific biosystem; Downstream Signaling Events Of B Cell Receptor (BCR), organism-specific biosystem; Downstream signal transduction, organism-specific biosystem; Downstream signaling of activated FGFR, organism-specific biosystem;
Function	DNA binding; DNA binding, bending; double-stranded DNA binding; enzyme binding; protein binding; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; sequence-specific distal enhancer binding RNA polymerase II transcription factor activity; transcription factor binding;

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