

Human FOXO4 Knockdown Cell Lysate

Cat. No. FOXO4-003HKCL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	WB-validated FOXO4 Knockdown 293T Cell Lysate
Species	Human
Source	293T
Description	This gene encodes a member of the O class of winged helix/forkhead transcription factor family. Proteins encoded by this class are regulated by factors involved in growth and differentiation indicating they play a role in these processes. A translocation involving this gene on chromosome X and the homolog of the Drosophila trithorax gene, encoding a DNA binding protein, located on chromosome 11 is associated with leukemia. Multiple transcript variants encoding different isoforms have been found for this gene.
Form	Cell-Tissue Lysis buffer
Molecular Mass	54 kDa
Notes	Instruction of use: This knockdown cell lysate should be paired with wild-type 293T cell lysate for use. For Western blotting, we recommend running wild-type and knockdown lysates on the same gel, and loading each well with equal volume and equal amount of total proteins.
Storage	Store at -20 centigrade for two years.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Concentration	Lot-specific
Shipping	Blue Ice
Components	1 vial of 100 µg WT 293T cell lysate 1 vial of 100 µg FOXO4 KD 293T cell lysate
Protein Families	Transcription Factors
Lysate QC	RT-qPCR; Western Blotting (WB)

GENE INFORMATION

Gene Name	FOXO4 forkhead box O4 [Homo sapiens (human)]
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

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