Recombinant Human FOXO3 protein, His & T7-tagged

Cat. No. FOXO3-7633H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human FOXO3 aa. (Leu369~Met633 (Accession # O43524)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Leu369~Met633
Description	This gene belongs to the forkhead family of transcription factors which are characterized by a distinct forkhead domain. This gene likely functions as a trigger for apoptosis through expression of genes necessary for cell death. Translocation of this gene with the MLL gene is associated with secondary acute leukemia. Alternatively spliced transcript variants encoding the same protein have been observed.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 32.0kDa
Endotoxin	<1.0EU per 1μg (determined by the LAL method)
Purity	>90%
Characteristic	The isoelectric point is 4.8.

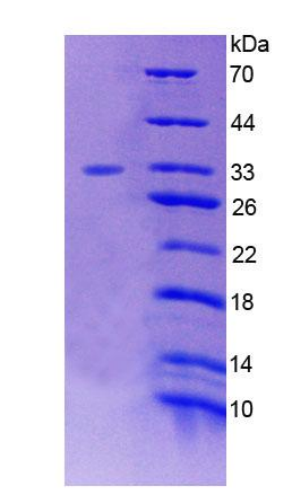
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.

GENE INFORMATION

Gene Name	FOXO3 forkhead box O3 [Homo sapiens (human)]
Official Symbol	FOXO3
Synonyms	FOXO2; AF6q21; FKHRL1; FOXO3A; FKHRL1P2; forkhead box O3A; forkhead homolog (rhabdomyosarcoma) like 1; forkhead in rhabdomyosarcoma-like 1; forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1; forkhead box protein O3
Gene ID	2309
mRNA Refseq	NM_001455.3
Protein Refseq	NP_001446.1

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UniProt ID	O43524
SDS-PAGE	 15% SDS-PAGE

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