

Recombinant Full Length Human FOXO3 Protein, C-Flag-tagged

Cat. No. FOXO3-1674HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human FOXO3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	71.1 kDa
AA Sequence	MAEAPASPAPLSPLEVELDPEFEPQSRPRCTWPLQRPELQASPAKPSGETAADSM IPEEEDDEDDEDGG GRAGSAMAIGGGGGSGTLGSGLLLED SARVLAPGGQDPGS GPATAAGGLSGGTQALLQPQQPLPPPQPGA AGGSGQPRKCSSRRNAWGNLSYA DLITRAIESSPDKRLTLSQIYEWVMVRCVPYFKDKGDSNSSAGWKNSI RHNLSLHSRF MRVQNEGTGKSSWWIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAAL QTAPES ADDSPSQLSKWPGSPTSRSSDELDAWTD FRSR TNSNASTVSGRLSPIMA STELDEVQDDDAPLSPMLYSS SASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTEN

 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

LMDDLNDNITLPPSQPSPTGGLMQRSSSFYTTKG SGLGSPTSSFNSTVFGPSSLN
 SLRQSPMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSD PLMSQA
 STAVSAQNSRRNVMLRNDPMMSFAAQPNGGSLVNQNLLHHQHQTQGALGGSRAL
 SNSVSNMGLS ESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTSANLPVMGHE
 KFPSDLDLDMFNGSLECDMESIIRS
 ELMDADGLDFNFDSLSTQNVVGLNVGNFTGAKQASSQSWVPGTRTRPLEQKLISE
 EDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Protein Families	Druggable Genome, Transcription Factors
Protein Pathways	Chemokine signaling pathway, Endometrial cancer, Neurotrophin signaling pathway, Non-small cell lung cancer
Full Length	Full L.

GENE INFORMATION

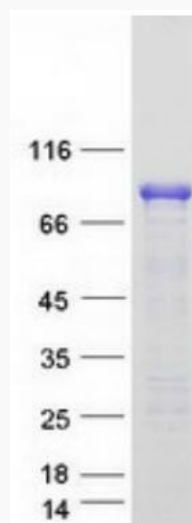
Gene Name FOXO3 forkhead box O3 [Homo sapiens (human)]

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Official Symbol	FOXO3
Synonyms	FOXO2; AF6q21; FKHRL1; FOXO3A; FKHRL1P2
Gene ID	2309
mRNA Refseq	NM_201559.3
Protein Refseq	NP_963853.1
MIM	602681
UniProt ID	O43524



Coomassie blue staining of purified FOXO3 protein.

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