

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	<p>MAEAPASPAPLSPLEVELDPEFEPQSRPRCTWPLQRPELQASPAKPSGETAADSM IPEEEDDEDDEDGG GRAGSAMAIGGGGGSGTLGSGLLLEDSARVLAPGGQDPGS GPATAAGGLSGGTQALLQPQQPLPPPQPGA AGGSGQPRKCSSRRNAWGNLSYA DLITRAIESSPKRLTLSQIYEWVMVRCVPYFKDKGDSNSSAGWKNSI RHNLSLHSRF MRVQNEGTGKSSWWIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAAL QTAPES ADDSPSQLSKWPGSPTSRSSELDAWTDFRSRTNSNASTVSGRLSPIMA STELDEVQDDDAPLSPMLYSS SASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTEN</p>

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LMDDLLDNITLPPSQPSPTGGLMQRSSSFYTTKG SGLGSPTSSFNSTVFGPSSLN
 SLRQSPMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSD PLMSQA
 STAVSAQNSRRNVMLRNDPMMMSFAAQPNGGSLVNQNLLHHQHQTQGALGGSRAL
 SNSVSNMGLS ESSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTSANLPVMGHE
 KFPSDLDLDMFNGLSLECDMESIIRS
 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

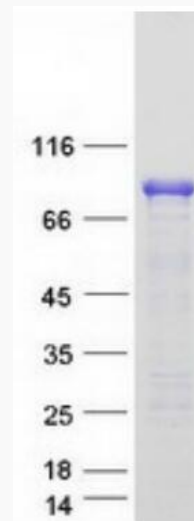
Gene Name FOXO3 forkhead box O3 [Homo sapiens (human)]

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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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