

Product datasheet for **TP309846L**

FOXO3 (NM_001455) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins

Description: Recombinant protein of human forkhead box O3 (FOXO3), transcript variant 1, 1 mg

Species: Human

Expression Host: HEK293T

Expression cDNA Clone or AA Sequence: >RC209846 representing NM_001455

Red=Cloning site Green=Tags(s)

MAEAPASPAPLSPLEVELDPEFEPQSRPRSCTWPLQRPELQASPAKPSGETAADSMIPEEEDDEDDEDGG
GRAGSAMAIGGGGGSGTLGSGLLLED SARVLAPGGQDPGSGPATAAGGLSGGTQALLQPQQPLPPPQPGA
AGGSGQPRKCSSRRNAWGNLSYADLITRAIESSPDKRLTLSQIYEWVMVRCVPYFKDKGDSNSSAGWKNSI
RHNLSSLHSRFRVQNEGTGKSSWIIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTAPES
ADDSPSQLSKWPGSPTSRSSELDLAWTDFRSRTNSNASTVSGRLSPIMASTELDEVQDDDAPLSPMLYSS
SASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDDLLDNITLPPSQPSPTGGLMQRSSSFYTTKG
SGLGSPSTSSFNSTVFGPSSLNSLRQSPMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSD
PLMSQASTAVSAQNSRRNVMLRNDPMMSFAAQPNQGSLVNQNLHHQHQTQGALGGSRALNSVSNMGLS
ESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTANLPVMGHEKFPDLDLDMFNGSLECDMESIIRS
ELMDADGLDFNFDSLSTQNVVGLNVGNFTGAKQASSQSWVPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Tag: C-Myc/DDK

Predicted MW: 71.1 kDa

Concentration: >0.05 µg/µL as determined by microplate BCA method

Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining

Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol

Bioactivity: Binding assay (PMID: [26561547](https://pubmed.ncbi.nlm.nih.gov/26561547/))

Preparation: Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.

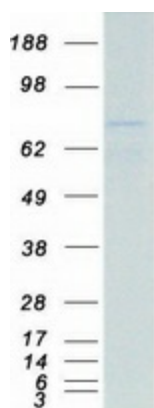
Note: For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.



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Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	<u>NP_001446</u>
Locus ID:	2309
UniProt ID:	<u>O43524</u>
RefSeq Size:	3338
Cytogenetics:	6q21
RefSeq ORF:	2019
Synonyms:	AF6q21; FKHRL1; FKHRL1P2; FOXO2; FOXO3A
Summary:	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. [provided by RefSeq, Jul 2008]
Protein Families:	Druggable Genome, Transcription Factors
Protein Pathways:	Chemokine signaling pathway, Endometrial cancer, Neurotrophin signaling pathway, Non-small cell lung cancer

Product images:



Coomassie blue staining of purified FOXO3 protein (Cat# [TP309846]). The protein was produced from HEK293T cells transfected with FOXO3 cDNA clone (Cat# [RC209846]) using MegaTran 2.0 (Cat# [TT210002]).