

Product datasheet for **TP309846M**

FOXO3 (NM_001455) Human Recombinant Protein

Product data:

Product Type: Recombinant Proteins
Description: Recombinant protein of human forkhead box O3 (FOXO3), transcript variant 1, 100 µg
Species: Human
Expression Host: HEK293T
Expression cDNA Clone or AA Sequence: >RC209846 representing NM_001455
Red=Cloning site Green=Tags(s)

MAEAPASPAPLSPLEVELDPEFEPQSRPRCTWPLQRPELQASPAKPSGETAADSMIPEEEDDEDDEDGG
 GRAGSAMAIGGGGGSGTLGSGLLLEDSARVLAPGGQDPGSGPATAAGGLSGGTQALLQPQQPLPPPQPG
 A
 AGGSGQPRKCSSRRNAWGNLSYADLITRAIESSDPKRLTLSQIYEWVMVRCVPYFKDKGDSNSSAGWKNSI
 RHNLSSLHSRFRMRVQNEGTGKSSWWIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTAP
 ES
 ADDSPSQLSKWPGSPTSRSSELDAWTDFRSRTNSNASTVSGRLSPIMASTELDEVQDDDAPLSPMLYSS
 SASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDLLDNITLPPSQPSPTGGMLMQRSSSFYTTKG
 SGLGSPTSSFNSTVFGPSSLNSLRQSPMQTIQENKPATFSSMSHYGNQTLQDLLTSDLSLHSDVMMTQS
 D
 PLMSQASTAVSAQNSRRNVMLRNDPMMSFAAQPQNSLVNQNLLHHQHQTQGGALGGSRALNSVSN
 MGLS
 ESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTANLPVMGHEKFPDLDLDMFNGLSLECDMESIIRS
 ELMDADGLDFNFDLISTQNVVGLNVGNFTGAKQASSQSWVPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

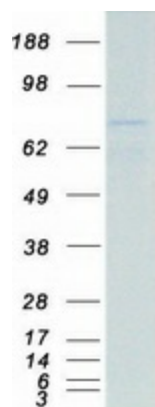
Tag: C-Myc/DDK
Predicted MW: 71.1 kDa
Concentration: >0.05 µg/µL as determined by microplate BCA method
Purity: > 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer: 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Bioactivity: Binding assay (PMID: [26561547](https://pubmed.ncbi.nlm.nih.gov/26561547/))



[View online »](#)

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.
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:	NP_001446
Locus ID:	2309
UniProt ID:	O43524
RefSeq Size:	3338
Cytogenetics:	6q21
RefSeq ORF:	2019
Synonyms:	AF6q21; FKHL1; FKHL1P2; 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]).