

## Product datasheet for TP302894M

### FOXO3 (NM\_201559) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins  
**Description:** Recombinant protein of human forkhead box O3 (FOXO3), transcript variant 2, 100 µg  
**Species:** Human  
**Expression Host:** HEK293T  
**Expression cDNA Clone or AA Sequence:** >RC202894 representing NM\_201559  
Red=Cloning site Green=Tags(s)

MAEAPASPAPLSPLEVELDPEFEPQSRPRSCTWPLQRPELQASPAKPSGETAADSMIPEEEDDEDDEDGG  
 GRAGSAMAIGGGGGSGTLGSGLLLEDSARVLAPGGQDPGSGPATAAGGLSGGTQALLQPQQPLPPPQPGA  
 AGGSGQPRKCSSRRNAWGNLSYADLITRAIESSPKRLTSLQIYEWVMVRCVPYFKDKGDSNSSAGWKNSI  
 RHNLSSLHSRFRVQNEGTGKSSWIIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTAPES  
 ADDSPSQLSKWPGSPTSRSSELDLAWTDFRSRTNSNASTVSGRLSPIMASTELDEVQDDDAPLSPMLYSS  
 SASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDDLLDNITLPPSQPSPTGGLMQRSSSFYTTKG  
 SGLGSPSTSSFNSTVFGPSSLNSLRQSPMQTIQENKPAFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSD  
 PLMSQASTAVSAQNSRRNVMLRNDPMMSSFAAQPNGSLVNQNLHHQHQTQGALGGSRALNSVSNMGLS  
 ESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTANLPVMGHEKFPDLDLDMFNGSLECDMESIIRS  
 ELMADADGLDFNFDSLSTQNVVGLNVGNFTGAKQASSQSWVPG

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

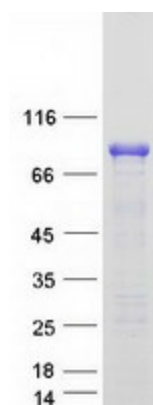
**Tag:** C-Myc/DDK  
**Predicted MW:** 71.1 kDa  
**Concentration:** >0.05 µg/µL as determined by microplate BCA method  
**Purity:** > 80% as determined by SDS-PAGE and Coomassie blue staining  
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol  
**Bioactivity:** Co-immunoprecipitation (PMID: [27428650](https://pubmed.ncbi.nlm.nih.gov/27428650/))  
**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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<b>Storage:</b>	Store at -80°C.
<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<u>NP_963853</u>
<b>Locus ID:</b>	2309
<b>UniProt ID:</b>	<u>O43524</u>
<b>RefSeq Size:</b>	3311
<b>Cytogenetics:</b>	6q21
<b>RefSeq ORF:</b>	2019
<b>Synonyms:</b>	AF6q21; FKHRL1; FKHRL1P2; FOXO2; FOXO3A
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	Chemokine signaling pathway, Endometrial cancer, Neurotrophin signaling pathway, Non-small cell lung cancer

### Product images:



Coomassie blue staining of purified FOXO3 protein (Cat# [TP302894]). The protein was produced from HEK293T cells transfected with FOXO3 cDNA clone (Cat# [RC202894]) using MegaTran 2.0 (Cat# [TT210002]).