

## Product datasheet for PH309846

### FOXO3 (NM\_001455) Human Mass Spec Standard

#### Product data:

Product Type:	Mass Spec Standards
Description:	FOXO3 MS Standard C13 and N15-labeled recombinant protein (NP_001446)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC209846
Predicted MW:	71.1 kDa
Protein Sequence:	>RC209846 representing NM_001455 Red=Cloning site Green=Tags(s)

MAEAPASPAPLSPLEVELDPEFEPQSRPRRSTWPLQRPELQASPAKPSGETAADSMIPEEEDDEDDEGG  
GRAGSAMAIAGGGGGSGTLGSGLLLED SARVLAPGGQDPGSGPATAAGGLSGGTQALLQPQQPLPPPQPGA  
AGGSGQPRKCSSRRNAWGNLSYADLITRAIESSPKRLTLSQIYEWVRCVPYFKDKGDSNSSAGWKNSI  
RHNL SLHSRFRMRVQNEGTGKSSWWIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTAPES  
ADDSPSQLSKWPGSPTSRSDELDAWTDFRSRTNSNASTVSGRLSPIMASTELDEVQDDAPLSPMLYSS  
SASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDLLDNIITLPPSQPSPTGGLMQRSSSFYTTKG  
SGLGSPTSSFNSTVFGPSSLNSLRQSPMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSD  
PLMSQASTAVSAQNSRRNVMLRNDPMMSF AAQPNQGSLVNQNL LHHQHTQGALGGSRALSNSVSNMGLS  
ESSSLGSAKHQQQSPVSMQTLSDSLSGSSLYSTSANLPVMGHEKFPDLDLDMFNGSLECDMESIIRS  
ELMDADGLDFNFDLSLISTQNVVGLNVGNFTGAKQASSQSWVPG

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>4</sub> ]-L-Arginine and [U- <sup>13</sup> C <sub>6</sub> , <sup>15</sup> N <sub>2</sub> ]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<a href="#">NP_001446</a>
RefSeq Size:	3338



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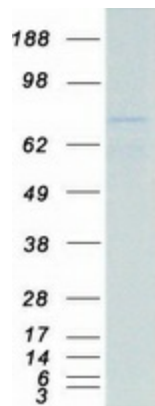
RefSeq ORF:	2019
Synonyms:	AF6q21; FKHL1; FKHL1P2; FOXO2; FOXO3A
Locus ID:	2309
UniProt ID:	<a href="#">O43524</a>
Cytogenetics:	6q21

**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]).