

Product datasheet for PH302894

FOXO3 (NM_201559) Human Mass Spec Standard

Product data:

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|---------------------------------------|---|
| Product Type: | Mass Spec Standards |
| Description: | FOXO3 MS Standard C13 and N15-labeled recombinant protein (NP_963853) |
| Species: | Human |
| Expression Host: | HEK293 |
| Expression cDNA Clone or AA Sequence: | RC202894 |
| Predicted MW: | 71.1 kDa |
| Protein Sequence: | >RC202894 representing NM_201559 Red=Cloning site Green=Tags(s) |

MAEAPASPAPLSPLEVELDPEFEPQSRPRSCTWPLQRPELQASPAKPSGETAADSMIPEEEDDEDDEGG
GRAGSAMAIIGGGGGSGTLGSGLLLED SARVLAPGGQDPGSGPATAAAGGLSGGTQALLQPQQPLPPPQPGA
AGGSGQPRKCSSRRNAWGNLSYADLITRAIESSPKRLTLSQIYEWVRCVPYFKDKGDSNSSAGWKNSI
RHNL SLHSRFRMRVQNEGTGKSSWWIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTAPES
ADDSPSQLSKWPGSPTSRSDELDAWTDFRSRTNSNASTVSGRLSPIMASTELDEVQDDDAPLSPMLYSS
SASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDLLDNITLPPSQPSPTGGLMQRSSSFYTTKG
SGLGSPTSSFNSTVFGPSSLNLRQSPMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSD
PLMSQASTAVSAQNSRRNVMLRNDPMMSF AAQPNQGSLVNQNL LHHQHTQGALGGSRALSNSVSNMGLS
ESSSLGSAKHQQQSPVQSMQTLSDSLSGSSLYSTSANLPVMGHEKFPSDLDLDMFNGSLECDMESIIRS
ELMDADGLDFNFDSL ISTQNVVGLNVGNFTGAKQASSQSWVPG

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- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-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: | <u>NP_963853</u> |
| RefSeq Size: | 3311 |



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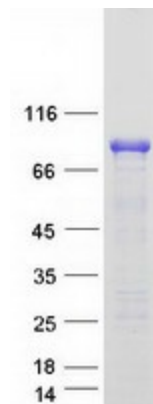
| | |
|---------------|---------------------------------------|
| RefSeq ORF: | 2019 |
| Synonyms: | AF6q21; FKHL1; FKHL1P2; FOXO2; FOXO3A |
| Locus ID: | 2309 |
| UniProt ID: | O43524 |
| Cytogenetics: | 6q21 |

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