

Recombinant Human FOXO3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FOXO3-4593H Lot. No. (See product label)

SPECIFICATION

Product Overview	FOXO3 MS Standard C13 and N15-labeled recombinant protein (NP_963853) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	71.1 kDa
AA Sequence	MAEAPASPAPLSPLEVELDPEFEPQSRPRSCTWPLQRPELQASPAKPSGETAADSM IPEEEDDEDDEDGGGRAGSAMAIGGGGGSGTLGSGLLLED SARVLAPGGQDPGSG PATAAGGLSGGTQALLQPQQPLPPPQGAAGGSGQPRKCSSRRNAWGNLSYADLI TRAIESSPDKRLTLSQIYEWVRCVPYFKDKGDSNSSAGWKNSIRHNL SLHSRFRMR VQNEG TGKSSWWIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTA PESADDSPSQLSKWPGSPTSRSSELD AWTDFRSRTNSNASTVSGRLSPIMASTEL DEVQDDDAPLSPMLYSSSASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDD LLDNITLPPSQPSPTGGLMQRSSSFYTTKGSGLGSPTSSFNSTVFGPSSLNSLRQS

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PMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSDPLMSQASTAVS
 AQNSRRNVMLRNDPMMMSFAAQPNNQGSLSLVNQNLLHHQHQTQGALGGSRALNSNSVS
 NMGLSESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTSANLPVMGHEKFPSD
 LDLDMFNGSLECDMESIIRSELMDADGLDFNFDSLSTQNVVGLNVGNFTGAKQASS
 QSWVPGTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

GENE INFORMATION

Gene Name FOXO3 forkhead box O3 [Homo sapiens (human)]

Official Symbol FOXO3

Synonyms FOXO3; forkhead box O3; FKHRL1, FOXO3A; forkhead box protein O3; AF6q21; FOXO2; forkhead box O3A; forkhead in rhabdomyosarcoma-like 1; forkhead homolog (rhabdomyosarcoma) like 1; forkhead, Drosophila, homolog of, in rhabdomyosarcoma-like 1; FKHRL1; FOXO3A; FKHRL1P2; MGC12739; MGC31925; DKFZp781A0677;

Gene ID 2309

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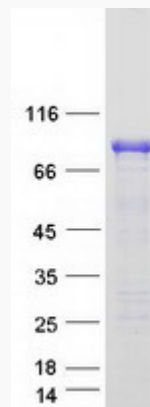
mRNA Refseq [NM_201559](#)

Protein Refseq [NP_963853](#)

MIM [602681](#)

UniProt ID [O43524](#)

SDS-PAGE



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