

Recombinant Full Length Human FOXO3 Protein, GST-tagged

Cat. No. FOXO3-5103HF Lot. No. (See product label)

SPECIFICATION

Product Overview	Human FOXO3 full-length ORF (AAH20227.1, 1 a.a. - 673 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	673 amino acids
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. [provided by RefSeq]
Molecular Mass	97.7 kDa
AA Sequence	MAEAPASPAPLSPLEVELDPEFEPQSRPRCTWPLQRPELQASPAKPSGETAADSM IPEEEDDEDDEDGGGRAGSAMAIGGGGGSGTLGSGLLLED SARVLAPGGQDPGSG PATAAGGLSGGTQALLQPQQPLPPPQPGAAGGSGQPRKCSSRRNAWGNLSYADLI TRAIESSPDKRLTLSQIYEWVRCVPYFKDKGDSNSSAGWKNSIRHNL SLHSRFMR VQNEGTGKSSWWIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTA PESADDSPSQLSKWPGSPTSRSSELD AWTDFRSRTNSNASTVSGRLSPIMASTEL DEVQDDDAPLSPMLYSSSASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDD

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LLDNITLPPSQPSPTGGLMQRSSSFYTTKGSGLGSPTSSFNSTVFGPSSLNSLRQS
 PMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSDPLMSQASTAVS
 AQNSRRNVMLRNDPMMSFAAQPNQGSVLNQNLLHHQHQTQGALGGSRALNSNSVS
 NMGLSESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTSANLPVMGHEKFPD
 LDLDMFNGSLECDMESIIRSELMDADGLDFNFDSLSTQNVVGLNVGNFTGAKQASS
 QSWVPG

Applications	Enzyme-linked Immunoabsorbent Assay Western Blot (Recombinant protein) Antibody Production Protein Array
Notes	Best use within three months from the date of receipt of this protein.
Storage	Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION

Gene Name	FOXO3 forkhead box O3 [Homo sapiens]
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_001455
Protein Refseq	NP_001446
MIM	602681
UniProt ID	O43524

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