

Recombinant Human FOXO3 Protein, GST-tagged

Cat. No. FOXO3-4471H 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 Wheat Germ

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

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MAEAPASPAPLSPLEVELDPEFEPQSRPRCTWPLQRPELQASPAKPSGETAADSM
IPEEEDDEDDEDGGGRAGSAMAIGGGGGSGTLGSGLLLED SARVLAPGGQDPGSG
PATAAGGLSGGTQALLQPQQPLPPPQGAAGGSGQPRKCSSRRNAWGNLSYADLI
TRAIESSPKRLTLSQIYEMVRCVPYFKDKGDSNSSAGWKNSIRHNL SLHSRFMR
VQNEG TGKSSWIIINPDGGKSGKAPRRRAVSMDNSNKYTKSRGRAAKKKAALQTA
PESADDSPSQLSKWPGSPTSRSSELD AWTDFRSRTNSNASTVSGRLSPIMASTEL
DEVQDDDAPLSPMLYSSSASLSPSVSKPCTVELPRLTDMAGTMNLNDGLTENLMDD
LLDNITLPPSQPSPTGGLMQRSSSFYTTKGSGLGSP TSSFNSTVFGPSSLNSLRQS
    
```

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PMQTIQENKPATFSSMSHYGNQTLQDLLTSDSLSHSDVMMTQSDPLMSQASTAVS
 AQNSRRNVMLRNDPMMMSFAAQPNNQGSVLNQNLLHHQHQTQGALGGSRALNSNSVS
 NMGLSESSSLGSAKHQQQSPVSQSMQTLSDSLSGSSLYSTSANLPVMGHEKFPSD
 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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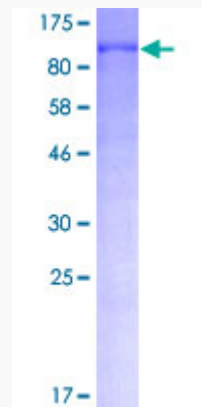
mRNA Refseq [NM_001455](#)

Protein Refseq [NP_001446](#)

MIM [602681](#)

UniProt ID [O43524](#)

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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