

Recombinant Human FOXO1 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. FOXO1-5882H Lot. No. (See product label)

SPECIFICATION

Product Overview	FOXO1 MS Standard C13 and N15-labeled recombinant protein (NP_002006) 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. The specific function of this gene has not yet been determined; however, it may play a role in myogenic growth and differentiation. Translocation of this gene with PAX3 has been associated with alveolar rhabdomyosarcoma.
Molecular Mass	69.5 kDa
AA Sequence	MAEAPQVVEIDPDFEPLPRPRSCWPLPRPEFSQSNSATSSPAPSGSAAAANPDAAA GLPSASAAAVSADFMSNLSLLEESDFPQAPGSVAAAVAAAAAATGGLCGDFQG PEAGCLHPAPPQPPPPGPLSQHPPVPPAAAGPLAGQPRKSSSSRRNAWGNLSYAD LITKAIESSAEKRLTSLQIYEWVKSVPYFKDKGDSNSSAGWKNSIRHNLSLHSKFIR VQNEGTGKSSWWMLNPEGGKSGKSPRRRAASMDNNSKFAKRSRAAKKKASLQS GQEGAGDSPGSQFSKWPASPGSHSNDDFDNWSTFRPRTSSNASTISGRLSPIMTE QDDLGEVDVHSMVYPPSAKMASTLPSLSEISNPENMENLLDNLNLSSPTSSTVST QSSPGTMMQQTPCYSFAPPNTSLNSPSPNYQKYTYGQSSMSPLPQMPIQTLQDNK

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SSYGGMSQYNCAPGLLKELLTSDSPPHNDIMTPVDPGVAQPNSRVLGQNVMGPN
 SVMSTYGSQVSHNKMMNPSSHTHPGHAQQTSAVNGRPLPHTVSTMPHTSGMNRL
 TQVKTPVQVPLPHPMQMSALGGYSSVSSCNGYGRMGLLHQEKLPDLDGMFIERL
 DCDMESIIRNDLMDGDTLDFNFDNVLPNQSFPHSVKTTTHSWVSGLEQKLISEEDLA
 ANDILDYKDDDDKV

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 FOXO1 forkhead box O1 [Homo sapiens (human)]

Official Symbol FOXO1

Synonyms FOXO1; forkhead box O1; FKHR, forkhead homolog in rhabdomyosarcoma, FOXO1A; forkhead box protein O1; FKH1; forkhead box protein O1A; forkhead, Drosophila, homolog of, in rhabdomyosarcoma; FKHR; FOXO1A;

Gene ID 2308

mRNA Refseq NM_002015

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Protein Refseq NP_002006

MIM 136533

UniProt ID Q12778

SDS-PAGE



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