

Product datasheet for PH300477

FOXO1 (NM_002015) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	FOXO1 MS Standard C13 and N15-labeled recombinant protein (NP_002006)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC200477
Predicted MW:	69.5 kDa
Protein Sequence:	>RC200477 representing NM_002015 Red=Cloning site Green=Tags(s)

MAEAPQVVEIDPDFEPLPRPRCTWPLPRPEFSQNSATSSPAPSGSAAANPDAAAGLPSASAAAVSADF
MSNLSLLEESDFPQAPGSVAAAIAAAAAAATGGLCGDFQGPEAGCLHPAPPQPPPPGPLSQHPPVPPA
AAGPLAQPRKSSSSRRNAWGNLSYADLITKAIESSAEKRLTLSQIYEWVKSVPYFKDKGDSNSSAGWK
NSIRHNL SLH SKF IRVQNEGTGKSSWMLNPEGGKSGKSPRRRAASMDNNSKFAKRSRAAKKASLQSG
QEGAGDSPGSQF SKWPASPGSHSNDDFDNWSTFRPRTSSNASTISGRLSPIMTEQDDLGEQDVMVYPP
SAAKMASTLPSLSEISNPENMENLNDNLNLLSSPTSLTVSTQSSPGTMMQQTPCYSFAPPNTSLNSPSN
YQKYTYGSSMSPLPQMPIQTLQDNKSSYGMSQYNCAPGLLKELLTSDSPPHNDIMTPVDPGVAQPNRS
VLGQNVMMGPNSVMSTYGSQVSHNKMMNPSSTHTHPGHAQQTSAVNGRPLPHTVSTMPHTSGMNRLTQVKT
PVQVPLPHPMQMSALGGYSSVSSCNGYGRMGLLHQEKLPSDLDMFIERLDCDMESIIRNDLMDGDTLDF
NFDNVLPNQSFPHSVKTTTHSWVSG

LEQKLI 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:	NP_002006
RefSeq Size:	5723



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RefSeq ORF: 1965

Synonyms: FKH1; FKHR; FOXO1A

Locus ID: 2308

UniProt ID: [Q12778](#)

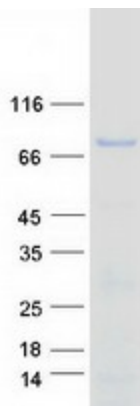
Cytogenetics: 13q14.11

Summary: 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. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Insulin signaling pathway, Pathways in cancer, Prostate cancer

Product images:



Coomassie blue staining of purified FOXO1 protein (Cat# [TP300477]). The protein was produced from HEK293T cells transfected with FOXO1 cDNA clone (Cat# [RC200477]) using MegaTran 2.0 (Cat# [TT210002]).