

Product datasheet for PH304048

Ku70 (XRCC6) (NM_001469) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	XRCC6 MS Standard C13 and N15-labeled recombinant protein (NP_001460)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC204048
Predicted MW:	69.8 kDa
Protein Sequence:	>RC204048 protein sequence Red=Cloning site Green=Tags(s)

MSGWESYYKTEGDEEAEEEEQEENLEASGDYKYSGRDSLIFLVDASKAMFESQSEDELTPFDMSIQCIQSV
YISKIISDRDLLAVVFYGTEDKNSVNFKNIIYVLQELDNPQAKRILELDQFKGQQGQKRFQDMMGHGSD
YSLSEVLWVCANLFSVQFKMSHKRIMLFTNEDNPHGNDSAKASRARTKAGDLRDTGIFLDMHLKPGG
FDISLFYRDIISIAEDEDLRVHFEESSKLEDLLRKVRAKETRKRAL SRLKLNKDIVISVGIYNLVQKA
LKPPPIKLYRETNEPVKTKTRTFNTSTGGLLPSDTKRSQIYGSRQIILEKEETEELKRFDDPGLMLMGF
KPLVLLKHHYLRPSLFVYPEESLVIGSSTLFSALLIKCLEKEVAALCRYTPRRNIPPYFVALVPQEEEL
DDQKIQVTPPGFQLVFLPFADDRKMPFTEKIMATPEQVGKMKAI VEKLRFTYRSDSFENPVLQQHFRNL
EALALDLMEPEQAVDL TLPKVEAMNKRLGSLVDEFKELVYPPDYNPEGKVTRKHKHNEGSGSKRPKVEYS
EEELKTHISKGTLGKFTVPMLKEACRAYGLKSGLKKQELLEALTKHFQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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_001460
RefSeq Size:	2284
RefSeq ORF:	1827



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Synonyms: CTC75; CTCBF; G22P1; KU70; ML8; TLAA

Locus ID: 2547

UniProt ID: [P12956](#), [A0A024R1N4](#), [Q6FG89](#)

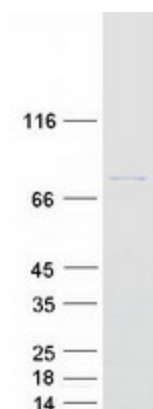
Cytogenetics: 22q13.2

Summary: The p70/p80 autoantigen is a nuclear complex consisting of two subunits with molecular masses of approximately 70 and 80 kDa. The complex functions as a single-stranded DNA-dependent ATP-dependent helicase. The complex may be involved in the repair of nonhomologous DNA ends such as that required for double-strand break repair, transposition, and V(D)J recombination. High levels of autoantibodies to p70 and p80 have been found in some patients with systemic lupus erythematosus. [provided by RefSeq, Jul 2008]

Protein Families: Druggable Genome, Transcription Factors

Protein Pathways: Non-homologous end-joining

Product images:



Coomassie blue staining of purified XRCC6 protein (Cat# [TP304048]). The protein was produced from HEK293T cells transfected with XRCC6 cDNA clone (Cat# [RC204048]) using MegaTran 2.0 (Cat# [TT210002]).