

## Product datasheet for TP304048

### Ku70 (XRCC6) (NM\_001469) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human X-ray repair complementing defective repair in Chinese hamster cells 6 (XRCC6), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC204048 protein sequence Red=Cloning site Green=Tags(s)

MSGWESYYKTEGDEEAEEEQEENLEASGDYKYSGRDSLIFLVDASKAMFESQSEDELTPFDMSIQCIQSV  
YISKIISDRDLLAVFYGTEKDKNSVNFKNIIYVLQELDNPGAKRILELDQFKGQQGQKRFQDMMGHGSD  
YSLSEVLWVCANLFSVDVQFKMSHKRIMLFTNEDNPHGNDSAKASRARTKAGDLRDTGIFLDMHLKKPGG  
FDISLFYRDIISIAEDEDLRVHFEESKLEDLLRKVRKETRKRALSRLKLNKDIVISVGIYNLVQKA  
LKPPPIKLYRETNEPVKTKTRTFNTSTGGLLLPSDTKRSQIYGSRQIILEKEETEELKRFDGPGLMLMGF  
KPLVLLKKHHYLRPSLFVYPEESLVIGSSTLFSALLIKCLEKEVAALCRYTPRRNIPPYFVALVPQEEEL  
DDQKIQVTPPGFQLVFLPFADDKRKMPFTEKIMATPEQVGMKAIVEKLRFTYRSDSFENPVLQQHFRNL  
EALALDLMEPEQAVDLTLPKVEAMNKRLGSLVDEFKELVYPPDYNPEGKVTKRKHDNEGSGSKRPKVEYS  
EEELKTHISKGTLGKFTVPMMLKEACRAYGLKSGLKKQELLEALTKEHFQD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

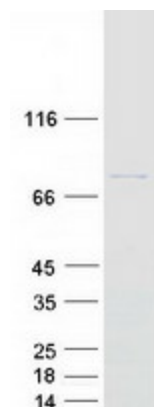
Tag:	C-Myc/DDK
Predicted MW:	69.7 kDa
Concentration:	>0.1 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.



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<b>Stability:</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>RefSeq:</b>	<a href="#">NP_001460</a>
<b>Locus ID:</b>	2547
<b>UniProt ID:</b>	<a href="#">P12956</a> , <a href="#">A0A024R1N4</a> , <a href="#">Q6FG89</a>
<b>RefSeq Size:</b>	2284
<b>Cytogenetics:</b>	22q13.2
<b>RefSeq ORF:</b>	1827
<b>Synonyms:</b>	CTC75; CTCBF; G22P1; KU70; ML8; TLAA
<b>Summary:</b>	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]
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	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]).