

Product datasheet for **RC204048L3V**

Ku70 (XRCC6) (NM_001469) Human Tagged ORF Clone Lentiviral Particle

Product data:

Product Type:	Lentiviral Particles
Product Name:	Ku70 (XRCC6) (NM_001469) Human Tagged ORF Clone Lentiviral Particle
Symbol:	Ku70
Synonyms:	CTC75; CTCBF; G22P1; KU70; ML8; TLAA
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-Myc-DDK-P2A-Puro (PS100092)
Tag:	Myc-DDK
ACCN:	NM_001469
ORF Size:	1827 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC204048).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	NM_001469.3
RefSeq Size:	2284 bp
RefSeq ORF:	1830 bp
Locus ID:	2547
UniProt ID:	P12956
Cytogenetics:	22q13.2
Domains:	SAP, Ku_C, Ku_N, ku
Protein Families:	Druggable Genome, Transcription Factors



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Protein Pathways: Non-homologous end-joining

MW: 69.8 kDa

Gene 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]