

Product datasheet for **SC301603**

MAK3 (NAA30) (NM_001011713) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MAK3 (NAA30) (NM_001011713) Human Untagged Clone
Tag:	Tag Free
Symbol:	MAK3
Synonyms:	C14orf35; MAK3; Mak3p; NAT12; NAT12P
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC301603 representing NM_001011713. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGCGGAGGTACCGCCTGGGCCTAGCAGCCTCTCCACCACCAGCACCTCCGGCCCCGGCGCGGT
 GAGCCCCGCTGTCCCTTCCCGCGGGGGCGCCCTCGCTGCTGCAGCGAGGACGAGGAGGACGACGAA
 GAGCACGAAGGCGGCGGAGCAGGAGCCCGCGGGCGGAGAGTCGGCGACGGTGGCGGCCAAGGGGCAT
 CCGTGCTCCGCTGCCCTCAGCCGCCGAGGAGCAGCAGCTCAACGGATTGATTAGCCCCGAAGT
 CGGCACCTCCGGCGGGCGCCCTCCCTCAAGAGCAAGGTCTGAGCGTAGCAGAGGTGGCCGCGACCACA
 GCCACCCCTGACGAGGCCCCAGAGCGACTGCAACAAAAGGAGCCGGGTACACTCGGGCGAGAGGCC
 CCTCACTCCCTCTAGTAATGCAAGAAGTCCGGTCCCCAGCCCGGTGGAGGCAGCGCGCGAGCGAT
 CCCGCGGCGGCCCGCAATGGACTGGCCGAGGGCACCGAGCAGGAGGAGGAGGAAGACGAGCAGGTG
 CGGCTGCTGTCTTCGTCCTGACCGCCGACTGCAGCTTAAGAAGCCCTTCGGGCGAGGAGGTTGAGCCT
 GGGGAGGATCGGACGATACGATATGTCCGATATGAATCCGAGCTACAAATGCCCGATATCATGAGACTG
 ATCACCAGATCTGTCCGAACCTACTCCATTATACCTATAGATATTTATCCACAAGTGGCCACAG
 CTGTGCTTCTTGCCATGGTAGGGGAGGAGTGTGTAGGTGCCATCGTTTGCAAGTTGGATATGCACAAA
 AAGATGTTCCGAGAGGTTATATAGCCATGTTAGCCGTGGATTCCAAATACAGGAGAAATGGCATTGGT
 ACTAATTGGTTAAGAAAGCTATATGCCATGGTTGAGGGAGACTGTGATGAGGTTGTTTGGAAACC
 GAAATAACAAATAAGTCCGCTTTGAAACTTTATGAAATCTTGGTTTTGTTTCGAGATAAGAGGCTGTT
 AGATACTATTTAAATGGAGTTGATGCACTGCGACTTAACTGTGGCTGCGT**TGA**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001011713



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Insert Size:	1089 bp
OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	1. Centrifuge at 5,000xg for 5min. 2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. 3. Close the tube and incubate for 10 minutes at room temperature. 4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	<u>NM_001011713.2</u>
RefSeq Size:	4490 bp
RefSeq ORF:	1089 bp
Locus ID:	122830
UniProt ID:	<u>Q147X3</u>
Cytogenetics:	14q22.3
MW:	39.3 kDa
Gene Summary:	Catalytic subunit of the N-terminal acetyltransferase C (NatC) complex. Catalyzes acetylation of the N-terminal methionine residues of peptides beginning with Met-Leu-Ala and Met-Leu-Gly. Necessary for the lysosomal localization and function of ARL8B suggesting that ARL8B is a NatC substrate.[UniProtKB/Swiss-Prot Function]