

Product datasheet for **MC202860**

Ing3 (NM_023626) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	Ing3
Synonyms:	I300013A07Rik; P47ING3
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



Fully Sequenced ORF:	>BC018342 sequence for NM_023626 GCTAGCGGAGGCGCCATATTGGAAGGGACAAAACCTCCGGCGACAGCGAGTGACACAAATAAACCCCTGGA CCCGTTCTGCCCCGCAACAGTCAGGGCCGCGATGTTGTACCTAGAGGACTATTTGGAAATGATTGAGCAG CTTCCGATGGACCTGCGGGACCGCTTACGGAGATGCGCGAGATGGATCTGCAGGTGCAGAATGCAATGG ATCAACTAGAACAAAGAGTCAGTGAGTTCTTTATGAATGCAAAGAAGAATAAACCCGAGTGCGGAGAAGA ACAGATGGCATCCATCAAAAAAGACTACTATAAAGCTTTGGAAGATGCAGATGAGAAAGTACAGTTGGCA AACCAGATTTATGATTTGGTAGATCGCCACTTGAGAAAGCTGGATCAGGAACTGGCCAAGTTTAAATGG AGCTGGAAGCCGATAATGCTGGAATTACAGAAATACTAGAGAGGCGATCTTTGGAATTAGATGCTCCTTC GCAGCCAGTGAACAATCACCACGCTCATTACATACTCCCGTGAAAAAAGGAAATATAATCCAACCTTCT CACCATGCAGCAGCAGACCATATCCCTGAGAAGAAATCAAATCTGAAGCGCTGCTGTCCACCCCTACAT CTGACGCTTCCAAGGAGAACACGCTGGGTTGTGCGGAATAATAATCCACAGCTTCTGTCAACAATGCTTA CAATGTGAACCTCGTCCAGCCCTGGCCTCCTATAACATTGGTTCTTATCTTCAGGGGCTGGCGCAGGG GCCATCACCATGGCGGCAGCACAGGCCGTGCAAGCGACAGCACAGATGAAAGAAGGGAGAAGAATCGA GTTTAAAGCCAGTTACGAAGCATTTAAGAACAATGACTTCAGCTGGGAAAAGAAATTTCCATACCCAG AGAAACAGCTGGTACTCCTCCTCATCGGCACTCATGACAACCTTAACCCAGAATGCCAGTTCTCCGCC ACGGACTCGCGGAGTGGCAGGAAGAGCAAAAACAACCAAGTCTTCAAGCCAGCAGTCGTGCTCCTCT CCTCCTCGTCTCTTCTCCTCTATCTCTGTGTTTCATCGTCTTCAACTGTAGTACAAGAAGTTTCCCA GCAAGCAACTGTAGTGCCCGAATCTGACTCCAACAGTCAAGTCGATTGGACTTACGACCCAAATGAACCT CGGTATTGCATCTGTAATCAGGTATCCTATGGAGAGATGGTGGGATGTGATAACCAAGATTGTCCAATAG AATGGTTCACCTATGGGTGTGTTGGCTTGACCGAAGCGCCGAAGGGGAAGTGGTTCTGTCCGAGTGCAC CGCTGCCATGAAGAGAAGAGGCACTCGGCACAAATAGAGAGGGAAGTCTATTGTCACTGCAGGAAGGAGGA GCTCCAGCTCGCCATTTTATACAGGACGCTAGGAGGAAAGACAGGAGCAAGAAGCAGCTCATCTCCA GGCCACCACTTAGAGGATTACAGAGACAATCCTATAAGATCTTGAACCTTGAATTTTATGAGTTGATTTT AATAATGTAAGTAAATTATTTATGCACTCCTGGTGTGCTATGAATATTATCCAGTTAGCCTTGGATTAT TTCTGTGGCCAACATATGCAGACATTTGACTCCAACATTTTCTCAAAGTAATGGGCATTCTATAATTT AAACCTCAAAGAATTCCAACGATGAAGATTTTAAAGAAATTTTATATCAACAGGTATATTACAGCTGC ATGTACTGTACTCCAGAGCTGTTATGTTACACTGTATATAATGGTTGCAAAAAACAAAAACAAAAACA AAATACAAAACAAAAAAGTCAGTCCTTCTAAAAAGGATTTAAGATAATGGTTTTTAAAGATGCCTTTATAA TAAGCTTTGTTCTTTGTGAAACTCATTACAGCAGGCTGAAGGAATTGGTTTATGTGGTAAAGTGGGCTGG TGTCTCTAGAGTACCTGGGTACATAAACAGAACTCCTGTAGGTAAACCTGATCCGTGCCATTAGTCT CTATGTTTCTGCATCCAGATAGAGTGCAGCTCACGCTCAAGGGGGTGGGGGCGGGGGCTCCGGGGGAAAG GGCGTTAAAGTGATACATTTTATACCAATGTGTTTATTTTGTGCGAGTAATCCTTAAATTGGAAT TGTATTAGGTGTTAAAAATAAGTTTTTAAAAAATAAAAAAAAAA
Restriction Sites:	RsrII-NotI
ACCN:	NM_023626
Insert Size:	1239 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).
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>BC018342</u> , <u>AAH18342</u>
RefSeq Size:	2215 bp
RefSeq ORF:	1239 bp
Locus ID:	71777
UniProt ID:	<u>Q8VEK6</u>
Cytogenetics:	6 A3.1
Gene Summary:	Component of the NuA4 histone acetyltransferase (HAT) complex which is involved in transcriptional activation of select genes principally by acetylation of nucleosomal histones H4 and H2A. This modification may both alter nucleosome - DNA interactions and promote interaction of the modified histones with other proteins which positively regulate transcription. This complex may be required for the activation of transcriptional programs associated with oncogene and proto-oncogene mediated growth induction, tumor suppressor mediated growth arrest and replicative senescence, apoptosis, and DNA repair. NuA4 may also play a direct role in DNA repair when directly recruited to sites of DNA damage. Component of a SWR1-like complex that specifically mediates the removal of histone H2A.Z/H2AFZ from the nucleosome (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer isoform (1).