

Product datasheet for **MC207679**

Ing2 (NM_023503) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ing2 (NM_023503) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ing2
Synonyms:	2810011M06Rik; Ing1l; Ing2b; P33ING2
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC207679 representing NM_023503 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTTAGGGCAGCAGCAGCAGCAGCTGTAAGTCTCGTGGCCGCGCTCCTGACCGGAGAGCGGAGCCGGC
TGCTCTCCTGCTACGTGCAGGACTACCTGGAGTGTGTGGAGTCGCTGCCACGACATGCAGAGGAACGT
GTCGGTGTGCGGAGCTGGACAACAAATACCAAGAAACGTTAAAGGAAATTGATGATGTCTATGAAAA
TATAAGAAAGAAGATGATTCCAACCAGAAAAACGCTACAGCAGCATCTCCAGAGAGCGTTAATCAATA
GCCAAGAATTGGGAGATGAAAAATTCAGATTGTCACCCAGATGCTCGAATTGGTGGAGAACCAGCGAG
ACAAATGGAGCTGCATTCACAGTGTTCAGGATCCTGCTGAAAGTGAGCGAGCCTCAGACAAGTCGAAG
ATGGATTCCAGTCAACCGGAAAGATCTTCTAGAAGACCTCGAAGACAGAGGACCAGTGCAGAGCCGTGACT
TATGTCACATGACAAACGGGATTGACGACTGTGATGATCAACCACCGAAAGAAAAGAGATCCAAGTCCGC
CAAGAAGAAGAAGCGCTCCAAGGCCAAGCAGGAGAGGGAGGCATCCCCTGTCGAGTTTGCCATCGATCCC
AATGAGCCACCTACTGCTTGTGTAACCAAGTGCCTACGGGGAGATGATAGGCTGTGACAATGAACAGT
GTCCCATTGAATGGTTTCACTTTTCATGTGTTTCACTCACCTATAAACCAAGGGGAAATGGTATTGCC
AAAGTGTAGGGGAGACAATGAGAAAACCATGGACAAAAGTACCGAAAAGACAAAAAGGAGAGAAGAGCC
AGG**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_023503
Insert Size:	846 bp



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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:	<ol style="list-style-type: none">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:	NM_023503.3 , NP_075992.2
RefSeq Size:	2813 bp
RefSeq ORF:	846 bp
Locus ID:	69260
UniProt ID:	Q9ESK4
Cytogenetics:	8 B1.1
Gene Summary:	Seems to be involved in p53/TP53 activation and p53/TP53-dependent apoptotic pathways, probably by enhancing acetylation of p53/TP53. Component of a mSin3A-like corepressor complex, which is probably involved in deacetylation of nucleosomal histones. ING2 activity seems to be modulated by binding to phosphoinositides (PtdInsPs) (By similarity). [UniProtKB/Swiss-Prot Function]