

Product datasheet for MC200711

Ing4 (NM_133345) Mouse Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Ing4 (NM_133345) Mouse Untagged Clone
Tag: Tag Free
Symbol: Ing4
Synonyms: D6Wsu147e; D6Xrf92; p29ING4
Mammalian Cell Selection: Neomycin
Vector: PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection: Kanamycin (25 ug/mL)

Fully Sequenced ORF: >BC009127 sequence for NM_133345
 GATGGCTGCTGGGATGTATTTGGAACATTATCTGGACAGTATTGAAAACCTCCCCTTTGAATTACAGAGA
 AACTTTTCAGCTCATGAGGGACCTAGACCAAAGGACAGAGGACCTGAAGGCTGAAATTGACAAGTTGGCCA
 CTGAATATATGAGTAGCGCCCGCAGCCTGAGCTCCGAGGAGAAGCTGGCCCTTCTCAGACAGATCCAGGA
 GGCTATGGCAAGTGCAAGGAATTTGGTACGACAAGGTGCAGCTGGCCATGCAGACCTATGAGATGGTA
 GACAAACACATTCGGCGGCTGGACACAGACCTGGCCCGTTTTGAGGCTGATCTGAAGGAGAAAACAGATCG
 AGTCCAGTGACTATGACAGCTCTTCTAGCAAAGGCAAAAAGAGCCGGACCCAAAAGGAGAAAAAAGCTGC
 CAGAGCCCGTTCCAAAGGGAAAACTCAGATGAAGAAGCCCCAAGGCTGCCCAGAAGAAGTTAAAACTT
 GTGCGCACAAGTCTGAGTATGGGATGCCCTCAGTGACCTTTGGCAGTGTCCACCCCTCTGATGTGTTGG
 ATATGCCTGTGGATCCCAACGAACCCACATATTGCCTTTGTACCAGGTCTCCTATGGAGAGATGATTGG
 CTGTGACAACCCGGATTGTTCCATCGAGTGGTTCCACTTCGCCTGTGTGGGGCTGACAACCAAACCTCGA
 GGGAAATGGTTTTGCCCACGCTGCTCCCAAGAACGGAAGAAGAAATAGGTTTTCCCTGGATTCCATTACAG
 ACTTCTGCATCCCCCTGACCTGGGCTAGTGGACAGAGTGGAAAGGCTGTGCTGGGGACGGGGGGCCAGG
 GAGATGTGGACAGTGGGTACCGTACCTCTCCCTCCTCCCCACTCGGTGCTGAGGCTGCATCCAAAAC
 CCCAGTAGGGAGGGTGGCGCAGCCAGTGACGGTATGTGCTCTCCTCCCGCCTCTCCAGAGGGAAAGTAAT
 CTCCTACTGTCCTTTTGCCTCCTTGGTGAAGTTGGTGTGATTTTCCAGAGGGAGGGTCTCTTTCATTC
 CCCTTGCTTTGACTTAAGGACTGGGGCAGTGGAGTGGGGCACTTTCCAGTCCCCCTACTCCTCTTCCC
 CCATTGGGAGCTAGGCAGGACAGACTGCCTTCTCTGACTTCTCCTGTTTCCATGGGGAGGGGTCTTCT
 AGGTCAATTTGGCAGTGGCCTAGTTAAGTGGTTACCCCAACCTCTATGGCCCGGGGATTTATGCTGACTC
 TGAATGGGAGAGGGCAAGGTAGACCGCAGGTTACTCACATGTAAGGAGTTGGGGTAGGTAAATAAAA
 GCTATCCATGCTAGCCTGCTGTGTTATTGTAGAGACTGTTAAGTATATGTGGTAAGCATTCTTTTCGC
 ATCCTCTGGATTGGATGAGAGGCAGGAAGATGGCTTGCCAGAAATAGGACAAGACATAAAACCCAAAATG
 GTCCTGTCTGTGGTGTCCACAGCTTCTCCACCTGGAGGAGTGCCTTGATCGGGGGACTCAGAATTTTG
 TAATTACGAATCTCCTCTCCGTGAAACACCTTTAACCAATTCCAATAAATCATGTATTTGCTTTAAAAA AAAAAAAA

Restriction Sites: RsrII-NotI



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ACCN:	NM_133345
Insert Size:	747 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:	<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:	BC009127 , AAH09127
RefSeq Size:	1620 bp
RefSeq ORF:	747 bp
Locus ID:	28019
UniProt ID:	Q8C0D7
Cytogenetics:	6 59.17 cM
Gene Summary:	Component of the HBO1 complex which has a histone H4-specific acetyltransferase activity, a reduced activity toward histone H3 and is responsible for the bulk of histone H4 acetylation in vivo. Through chromatin acetylation it may function in DNA replication. May inhibit tumor progression by modulating the transcriptional output of signaling pathways which regulate cell proliferation. Can suppress brain tumor angiogenesis through transcriptional repression of RELA/NFKB3 target genes when complexed with RELA. May also specifically suppress loss of contact inhibition elicited by activated oncogenes such as MYC. Represses hypoxia inducible factor's (HIF) activity by interacting with HIF prolyl hydroxylase 2 (EGLN1) (By similarity). Can enhance apoptosis induced by serum starvation in mammary epithelial cell line HC11 (PubMed:11888890).[UniProtKB/Swiss-Prot Function]