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Product datasheet for SC210220

ING3 (NM_198267) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	ING3
Synonyms:	Eaf4; ING2; MEAF4; p47ING3
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_198267
Insert Size:	839 bp

Insert Sequence:

>SC210220 3'UTR clone of NM_198267
The sequence shown below is from the reference sequence of NM_198267. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AACCAGATATATGACTTGCAGCACTTCTAAAAGATTGAAAACACCAAGAAGATAGATAGAATATTCACT
ATTTCTCATATTGATGCAATTGTGGTGCTCTTTTTCATTTGAAACATCTTCTCCTAAAATATACACTTT
AAGAAATAGTCATTTCTGTTTTTGCATTAAAGTAAATTAAAGCAGAAAACACATGCTCACTTTTGGCTA
ACTTCAGTGTATAGATTTCATACTTATGTTGTCTTTCCTGGGTACAGATTTATTACTGAACAAGTACGT
GTAAGTAAAATGTCATTGGTGAGCAGGACACAAGATAAAAGGTGAACACCACATATGGTGTGAATTGTA
AATGCTTATACCACAAACTTGAAAATGTGTCATGTAGAGCCATGGAAAATGTCTAGTTGTTTTTATGTA
GTACACACATTTTAATGGTGCTAACAACCTGGGCTCTTTTGTTCATAGAGTTATTCTGAAAAAAATTTC
ATAAAAGACACTGCCTAAAGATAGGTAGAATAGGCTGTAGCTTGATTTACTGTGGAATAAAAACCAAAA
AAAAAAAGGTCTTAATTGTTTCAGTCTTTAATTATGTCTATAAACTTAGAAAAAGGCATTTACATTTGA
ATCTAGACTAATTTGTTTAGTAACATTCTTCCTCATATTCAATGACTGTATGTATCAGTCCTTATTTAG
AGACTGCCTGCTTTTTAATTCATATAGCTCTTTGGTTCTATTCTTTGTTTTGTTTATTATTTTGTTGTT
TTATTGCTTGTTAGACCTTTACTAAAGATATTTTGTGTATTTAGAAAAAATATAACATAAATATATGCT
TTTTAAATATG
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

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OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: NM_198267.2

Summary: The protein encoded by this gene is similar to ING1, a tumor suppressor protein that can interact with TP53, inhibit cell growth, and induce apoptosis. This protein contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This gene can activate p53 trans-activated promoters, including promoters of p21/waf1 and bax. Overexpression of this gene has been shown to inhibit cell growth and induce apoptosis. Allelic loss and reduced expression of this gene were detected in head and neck cancers. Two alternatively spliced transcript variants encoding different isoforms have been observed. [provided by RefSeq, Jul 2008]

Locus ID: 54556

MW: 33.1