

Product datasheet for **SC322872**

ING4 (NM_001127586) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ING4 (NM_001127586) Human Untagged Clone
Tag:	Tag Free
Symbol:	ING4
Synonyms:	my036; p29ING4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC322872 representing NM_001127586. Blue=Insert sequence Red=Cloning site Green=Tag(s)

```
GCTCGTTT TAGTGAACCGTCAGAATTTTGT AATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCC CGGATCGCC
ATGGCTGCGGGGATGATTTGGAACATTATCTGGACAGTATTGAAAACCTTCCCTTTGAATTACAGAGA
AACTTTCAGTTCATGAGGGACCTAGACCAAAGAACAGAGGACCTGAAGGCTGAAATTGACAAGTTGGCC
ACTGAGTATATGAGTAGTGCCCGCAGCCTGAGCTCCGAGGAAAAATTGGCCCTTCTCAAACAGATCCAG
GAAGCCTATGGCAAGTGAAGGAATTTGGTGACGACAAGGTGCAGCTTGCCATGCAGACCTATGAGATG
GTGGACAAACACATTCGGCGGCTGGACACAGACCTGGCCGTTTTGAGGCTGATCTCAAGGAGAAACAG
ATTGAGTCAAGTACTATGACAGCTCTTCCAGCAAAGGCAAAAAGAAAGCCGGACTCAAAGGAGAAG
AAAGCTGCTCGTGCTCGTTCCAAAGGGAAAACTCGGATGAAGAAGCCCCAAGACTGCCAGAAGAAG
TTAAAGCTCGTGCGCACTGTTCCATTGAGTGGTTCCATTTGCCTGTGTGGGGCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
```

Restriction Sites: Sgfl-MluI

Plasmid Map:

ACCN: NM_001127586

Insert Size: 540 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).



[View online »](#)

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:	<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:	<u>NM_001127586.1</u>
RefSeq Size:	1313 bp
RefSeq ORF:	540 bp
Locus ID:	51147
UniProt ID:	<u>Q9UNL4</u>
Cytogenetics:	12p13.31
Protein Families:	Druggable Genome, Transcription Factors
MW:	20.5 kDa
Gene Summary:	<p>This gene encodes a tumor suppressor protein that contains a PHD-finger, which is a common motif in proteins involved in chromatin remodeling. This protein can bind TP53 and EP300/p300, a component of the histone acetyl transferase complex, suggesting its involvement in the TP53-dependent regulatory pathway. Multiple alternatively spliced transcript variants have been observed that encode distinct proteins. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (6) lacks an alternate segment in the 3' coding region. which changes the reading frame, compared to variant 9. The resulting protein (isoform 6) is shorter and has a distinct C-terminus when it is compared to isoform 9. Another name for this variant is delta Ex6A.</p>