

## Product datasheet for **SC319156**

### ING4 (NM\_016162) Human Untagged Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** ING4 (NM\_016162) Human Untagged Clone  
**Tag:** Tag Free  
**Symbol:** ING4  
**Synonyms:** my036; p29ING4  
**Mammalian Cell Selection:** Neomycin  
**Vector:** pCMV6-AC (PS100020)  
**E. coli Selection:** Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_016162.2  
GAGATGGCTGCGGGATGATTTTGAACATTATCTGGACAGTATTGAAAACCTTCCCTTT  
GAATTACAGAGAACTTTTCAGCTCATGAGGGACCTAGACCAAAGAACAGAGGACCTGAAG  
GCTGAAATTGACAAGTTGGCCACTGAGTATATGAGTAGTGCCCGCAGCCTGAGCTCCGAG  
GAAAAATTGGCCCTTCTCAAACAGATCCAGGAAGCCTATGGCAAGTGCAAGGAATTTGGT  
GACGACAAGGTGCAGCTTGCCATGCAGACCTATGAGATGGTGGACAAACACATTCGGCGG  
CTGGACACAGACCTGGCCGTTTTGAGGCTGATCTCAAGGAGAAACAGATTGAGTCAAGT  
GACTATGACAGCTCTCCAGCAAAGGCAAAAAGAAAGGCCGACTCAAAGGAGAAGAAA  
GCTGCTCGTGCTCGTTCCAAAGGGAAAACTCGGATGAAGAAGCCCCAAGACTGCCAG  
AAGAAGTTAAAGCTCGTGCGCACAAGTCTGAGTATGGGATGCCCTCAGTGACCTTTGGC  
AGTGTCACCCCTCTGATGTGTTGGATATGCCTGTGGATCCCAACGAACCCACCTATTGC  
CTTTGTCACCAGTCTCCTATGGAGAGATGATTGGCTGTGACAACCTGATTGTTCCATT  
GAGTGGTTCCATTTTGCCTGTGTGGGGCTGACAACCAAGCCTCGGGGAAATGGTTTTGC  
CCACGCTGCTCCCAAGAACGGAAGAAGAAATAGATAAGGGCCTTGGATTCCAACACAGTT  
TCTTCCACATCCCCTGACTTGGGCTAGTGGGCAGAGGAATGCCTGTGTTGGGGCCAGGGG  
TTCAGGGAGGAGTGGATGGCACAGTGTGTATCCCTTCTCCTCCCCTCTCCCCTCCC  
GGTGTGAGGCTGCATCAGACCTGGTAGGGAGGGGTGCCGCAGCCACTAACGGTATGTG  
CTCTCCTCAGCCCTCTCCCTTCGGAGGGACGTGGTCTTGCCACTGTCTTTTGCCTCC  
ATGCTGAGGTGCGTGTATTTTTCAGAGGGAGGGTCTTTTTCATTCTCCTTGCTTTGTAT  
TTAAGGACTGGGGCATAGCATGGGGCAGTCCCCAGACCTCTTATTCCCCCTCCTGTG  
GTGAGGGCTAGGTGTGATCAACACTTTTCTTCTCATTCCCTTCTGCTTTTTTTCATGGT  
GGGGGATCCACCAGTCTCTAGGCTCTGGCCCTAGTTGAAGGGGCACCCCTTCTCTGT  
GCCAAGAGGATTCATCCTGGGAGAGGGGCAAGGTGGAATGCAGATAACTCACATGTAAA  
AGGAACTTGGGTAGTAAATAAAAGCTATACATGTTAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** Please inquire



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|-------------------------------|--|
| <b>ACCN:</b>                  | NM_016162  |
| <b>OTI Disclaimer:</b>        | 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).   |
| <b>OTI Annotation:</b>        | 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.   |
| <b>Components:</b>            | 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).   |
| <b>Reconstitution Method:</b> | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>  |
| <b>RefSeq:</b>                | <u><a href="#">NM_016162.2</a></u> , <u><a href="#">NP_057246.2</a></u>  |
| <b>RefSeq Size:</b>           | 1717 bp  |
| <b>RefSeq ORF:</b>            | 747 bp   |
| <b>Locus ID:</b>              | 51147  |
| <b>UniProt ID:</b>            | <u><a href="#">Q9UNL4</a></u>  |
| <b>Cytogenetics:</b>          | 12p13.31   |
| <b>Domains:</b>               | PHD  |
| <b>Protein Families:</b>      | Druggable Genome, Transcription Factors  |
| <b>Gene Summary:</b>          | <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 (1) uses a different splice site in the coding region, compared to variant 9. The resulting protein (isoform 1) is shorter by 1 aa compared to isoform 9. Other names for this variant are ING4_v2 and '3 bp skip variant'.</p> |