

## Product datasheet for **SC319486**

### ID3 (NM\_002167) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ID3 (NM_002167) Human Untagged Clone
Tag:	Tag Free
Symbol:	ID3
Synonyms:	bHLHb25; HEIR-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_002167.2  
CGAGCGTGC GCGGTTG CAGGTC ACTGTAGCGGACTTCTTTTGGTTTTCTTTCTCTTTG  
GGGCACCTCTGGACTCACTCCCCAGCATGAAGGCGCTGAGCCCGGTGCGCGGCTGCTACG  
AGGCGGTGTGCTGCTGTGCGAACGCAGTCTGGCCATCGCCCGGGCCGAGGGAAGGCC  
CGGCAGCTGAGGAGCCGCTGAGCTTGTGGACGACATGAACCACTGCTACTCCCCGCTGC  
GGAACTGGTACCCGAGTCCCAGAGGCACTCAGCTTAGCCAGGTGGAATCCTACAGC  
GCGTCATCGACTACATTCTGCACCTGCAGGTAGTCTGGCCGAGCCAGCCCTGGACCCC  
CTGATGGCCCCACCTTCCCATCCAGACAGCCGAGCTCGTCCGGAATTGTCATCTCCA  
ACGACAAAAGGAGCTTTTGCCTGACTCGGCCGTGCTGACACCTCCAGAACGCAGGT  
GCTGGCGCCGTTCTGCCTGGACCCCGGAACCTCTCCTGCCGAAGCCGGACGCGCAGG  
GATGGGCCCACTTCCGCTGCCACTTGACTTCACCAATCCCTTCTGGAGACTAAA  
CCTGGTGTCTCAGGAGCGAAGGACTGTGAACTTGTGGCCTGAAGAGCCAGAGCTAGCTCTG  
GCCACCAGCTGGGCGACGTCACCCTGCTCCACCCACCCCAAGTTCTAAGGTCTTTTC  
AGAGCGTGGAGGTGTGGAAGGAGTGGCTGCTCTCCAACTATGCCAAGGCGGCGGAGAG  
CTGGTCTTCTGGTCTCCTTGGAGAAAGTTCTGTTGCCCTGATTTATGAAGTCTATAATA  
GAGTATATAGTTTTGTACCTTTTTTACAGGAAGGTGACTTTCTGTAACAATGCGATGTA  
TATTAACCTTTTTATAAAAGTTAACATTTTGCATAATAAACGATTTTTAAACACTTGAAA  
AAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_002167
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).



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<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>	<a href="#">NM_002167.2</a> , <a href="#">NP_002158.2</a>
<b>RefSeq Size:</b>	1203 bp
<b>RefSeq ORF:</b>	360 bp
<b>Locus ID:</b>	3399
<b>UniProt ID:</b>	<a href="#">Q02535</a>
<b>Cytogenetics:</b>	1p36.12
<b>Protein Families:</b>	Druggable Genome, ES Cell Differentiation/IPS, Transcription Factors
<b>Protein Pathways:</b>	TGF-beta signaling pathway
<b>Gene Summary:</b>	The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with other HLH proteins. However, the encoded protein lacks a basic DNA-binding domain and therefore inhibits the DNA binding of any HLH protein with which it interacts. [provided by RefSeq, Aug 2011]