

## Product datasheet for **SC109332**

### ID1 (NM\_181353) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ID1 (NM_181353) Human Untagged Clone
Tag:	Tag Free
Symbol:	ID1
Synonyms:	bHLHb24; ID
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)
Restriction Sites:	NotI-NotI
ACCN:	NM_181353
Insert Size:	1040 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"><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>
RefSeq:	<u><a href="#">NM_181353.1</a></u> , <u><a href="#">NP_851998.1</a></u>
RefSeq Size:	1234 bp
RefSeq ORF:	450 bp



[View online »](#)

<b>Locus ID:</b>	3397
<b>UniProt ID:</b>	<a href="#">P41134</a>
<b>Cytogenetics:</b>	20q11.21
<b>Protein Families:</b>	Druggable Genome, Transcription Factors
<b>Protein Pathways:</b>	TGF-beta signaling pathway
<b>Gene Summary:</b>	<p>The protein encoded by this gene is a helix-loop-helix (HLH) protein that can form heterodimers with members of the basic HLH family of transcription factors. The encoded protein has no DNA binding activity and therefore can inhibit the DNA binding and transcriptional activation ability of basic HLH proteins with which it interacts. This protein may play a role in cell growth, senescence, and differentiation. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) contains an alternate segment compared to variant 1, that causes a frameshift. The resulting isoform (b, also called ID-1H') is shorter and has a distinct C-terminus compared to isoform a.</p>