

Product datasheet for **MC208735**

Id4 (NM_031166) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Id4 (NM_031166) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Id4
Synonyms:	bHLHb27; ldb4
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>MC208735 representing NM_031166 Red=Cloning site Blue=ORF

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAAGGCGGTGAGCCCGGTGCGCCCTCGGGCCGCAAGGCGCCGTCGGGCTGCGGCGCGGGGAGCTGG
CGCTACGCTGCCTGGCGGAGCACGGCCACAGCCTGGGTGGCTCGGCAGCCGCCCGCCGCTGCGGCGGC
CGCGCGCTGCAAGGCGGCCGAGGCGGCGCGGATGAGCCGGCGCTGTGCCTGCAGTGCATGAACGAC
TGCTACAGTCGCCTGCGGAGGCTCGTGCCTACCATCCCGCCAACAAGAAAGTCAGCAAAGTGGAGATCC
TGCAGCACGTTATCGACTACATCCTGGACCTGCAGCTGGCGCTGGAGACTCACCTGCTTTGCTGAGACA
GCCGCCACCGCCCGCCACCTCTCCACCCGGCCGGGGCTTGCCGGTGCAGCCCGCGGACCCCACTC
ACCGCGCTCAACTGACCCGGCCGCGCGCTGAACAAGCAGGGTGACAGCATTCTGCGCGCTGA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Chromatograms:	https://cdn.origene.com/chromatograms/ja1551_e01.zip
Restriction Sites:	Sgfl-Mlul
ACCN:	NM_031166
Insert Size:	486 bp



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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">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:	NM_031166.2 , NP_112443.1
RefSeq Size:	1660 bp
RefSeq ORF:	486 bp
Locus ID:	15904
UniProt ID:	P41139
Cytogenetics:	13 24.71 cM
Gene Summary:	Transcriptional regulator (lacking a basic DNA binding domain) which negatively regulates the basic helix-loop-helix (bHLH) transcription factors by forming heterodimers and inhibiting their DNA binding and transcriptional activity. Implicated in regulating a variety of cellular processes, including cellular growth, senescence, differentiation, apoptosis, angiogenesis, and neoplastic transformation.[UniProtKB/Swiss-Prot Function]