

Product datasheet for **SC111451**

INO80B (NM_031288) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INO80B (NM_031288) Human Untagged Clone
Tag:	Tag Free
Symbol:	INO80B
Synonyms:	hles2; HMGA1L4; HMGIYL4; IES2; PAP-1BP; PAPA-1; PAPA1; ZNHIT4
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_031288, the custom clone sequence may differ by one or more nucleotides

ATGAGTAAGCTGTGGCGCGTGGGAGCACCTCTGGGGCTATGGAGGCCCTGAGCCGGGAGAAGCCCTGG
AGTTGAGCCTGGCGGGTGCCCATGGCCATGGAGTGCACAAGAAAAACACAAGAAGCACAAGAAGAAACA
CAAGAAGAAACACCATCAGGAAGAAGACGCCGGGCCACGCAGCCGTCCCCTGCCAAGCCTCAGCTCAAA
CTCAAAATCAAGCTTGGGGGACAAGTCTGGGGACCAAGAGTGTTCTACCTTCACTGTGATCCCAGAGG
GGCCTCGCTCACCTCTCCCTTATGGTTGTGGATAATGAAGAGGAACCTATGGAAGGAGTCCCCCTTGA
GCAGTACCGTGCCTGGCTGGATGAAGACAGTAATCTCTCTCCCTCTCCACTTCGGGACCTATCAGGAGGG
TTAGGGGGTCAGGAGGAAGAGGAGGAACAGAGGTGGCTGGATGCCCTGGAGAAGGGGAGCTGGATGACA
ATGGAGACCTCAAGAAGGAGATCAATGAGCGGCTGCTTACTGCTCGACAGCGAGCTCTGCTCCAGAAGGC
GCGGAGTCAACCTTCCCCTATGTGCGCGTGCCTGTAGCTGAGGGCTGCCACCTCCCGCCCTCACAGAG
GAGATGCTGCTGAAGCGCGAGGAGCGGGCGCGGAAGCGGCGGCTCCAGGCGGCGCGGCGGGCAGAAGAGC
ACAAGAACCAGACTATCGAGCGCCTCACCAGACTGCGGCGACCAAGTGGGCGGGGAGGCCGGGGGGCGC
ACGGGGCGAGCGGCGGGGAGGGCGGGCTGCGGCTCCGGCCCCCATGGTGCCTACTGCAGCGGAGCACAG
GGTTCACCTTTCCCTTCCACCTGGCGTCCCCGCCCCACGGCAGTGTCTCAGCGGCCATCCCCCTCAG
GCCCCGCCCGCGCTGCTGTCCCCGGCTGTCCCATCCGCGCCGCTACGCTTGCTCCGCGACAGGCCA
GGCACTCTGTAGTCTTCAGTGCTACCGCATCAACCTGCAGATGCGGCTGGGGGGCCCCGAGGGTCTGGA
TCCCCCTTTTGGCTACGTAA



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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_031288 unedited
 ATACGACTTACTATAGGGCGGCCGCAATTCGGCACGAGGGTAAGCTGTGGCGGCGTGGG
 AGCACCTCTGGGGCTATGGAGGCCCTGAGCCGGGAGAAGCCCTGGAGTTGAGCCTGGCG
 GGTGCCCATGGCCATGGAGTGACAANGAAAAACACAAGAAGCACAAGAAGAAACACAA
 GAAGAAACACCATCAGGAAGAAGACGCCGGGCCACGCAGCCGTCCCCTGCCAAGCCTCA
 GCTCAAACCTCAAATCAAGCTTGGGGGACAAGTCTGGGACCAAGAGTGTTCTACCTT
 CACTGTGATCCCAGAGGGGCTCGCTCACCTCTCCCCTTATGGTTGTGGATAATGAAGA
 GGAACCTATGGAAGGAGTCCCCCTTGAGCAGTACCGTGCCTGGCTGGATGAAGACAGTAA
 TCTCTCTCCCTCTCCACTTCGGGACCTATCAGGAGGGTTAGGGGGTCAGGAGGAAGAGGA
 GGAACAGAGGTGGCTGGATGCCCTGGAGAAGGGGGAGCTGGATGACAATGGAGACCTCAA
 GAAGGAGATCAATGAGCGGCTGCTTACTGCTCGACAGCGAGCTCTGCTCCAGAAGCGCG
 GAGTCAACCTTCCCCTATGCTGCCGCTGCCTGTAGCTGAGGGCTGCCACCTCCCGCCCT
 CACAGAGGAGATGCTGCTGAAGCGCGAGGAGCGGGGCGGAAGCGCGGCTCCAGCGGC
 GCGGCGGCGAGAAGAGCACAAGAACCAGACTATCGAGCGCCTACCAAGACTGCNCGGAC
 CANTGGGCGGNGAGGCCCGGNGGGGNCACGGNGCNAGCGCNGAAGGGCGGCTGCCGC
 TCCGGCCCATGTGTGCGTACTGAGCGAGCACAGGGTTACCCTTNCCTAACCTGGCGT
 CCCGNCCCCGGCATGTCTCACGGCATCCCTCAGCCCG

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_031288 unedited
 ATGAACGCGGCCCAATCTANATCGAGTTTTTTTTTTTTTTTTTGCACCGGNTGTAATT
 TAATAGGGTGGGAAGATACTCAAGAGCGGGCATGGGACGGGCGCAGAGTCCGGGTTAA
 GGGCCTTACGTAGCCAAAAGGGGGATCCAGGACCCTCGGGCCCCCAGCCGCATCTGC
 AGGTTGATGCGGTAGCACTGAAGACTACAGAGTGCCTGGCCTGTGCGGGAGCAAGCGTAG
 CGGCGCGGATGGGACAGCCGGGACAGAGCAGCGCGCGCGGCGCTGAGGGGGATGGC
 CGCTGAGACACTGCCGTGGGGGCGGGACGCCAGGTGGGAAGGAAAGGGTGAACCTGT
 GCTCCGCTGCAGTAGCGACCATGGGGGCGGAGCCGACGCCCGCCCTCCCCGCCGCTCG
 CCCCCTGCGCCCCCGGCTCCCCGCCACTGGTCGCCGCACTTGGTGAGGCGCTCG
 ATAGTCTGGTTCTTGTGCTCTTCTGCCCCGCCGCCGCTGGAGCCGCCGNTTCCGAGCC
 CGCTCCTCGCGCTTAGCAGCATCTTCTGTGAGGGCGGGAGGTGGGACGCCCTCAGCT
 ACAGGCAGCGGCAGCATAGGGGAAGGTTGACTCCGCGCCTTCTGGAGCAGAACTCGCTGT
 CGAGCAGTAAGCAACCGCTCATTGATCTTCTTGAAGGCTCCATTGTCATTCAACTCC
 CCCTTCTCAGGCATTACGCCACCTCTGGTCCTTCTTCTCCTGAACCCCTAACCCCTC
 CTGATAGGTCCCCCAATTGGAGAAGGAAAGAAATTACTGGCTTCATTACCCAGGCCCGG
 TATTGGTTAAGGGGACTCCTTCCACTAGTCCTTTTATATCAAACCCTAAGGGAAAGG
 TGAACCCAGCCCCTTGGGATACATGAAGGTTAGAACCTTTGGCCCCAGACTTTCCCAT
 TTGTTTTGATTG

Restriction Sites:

NotI-NotI

ACCN:

NM_031288

Insert Size:

1180 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:	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_031288.1, NP_112578.1</u>
RefSeq Size:	1266 bp
RefSeq ORF:	1266 bp
Locus ID:	83444
UniProt ID:	<u>Q9C086</u>
Cytogenetics:	2p13.1
Domains:	PAPA-1, zf-HIT
Gene Summary:	This gene encodes a subunit of an ATP-dependent chromatin remodeling complex, INO80, which plays a role in DNA and nucleosome-activated ATPase activity and ATP-dependent nucleosome sliding. Readthrough transcription of this gene into the neighboring downstream gene, which encodes WW domain-binding protein 1, generates a non-coding transcript. [provided by RefSeq, Feb 2011]