

Product datasheet for SC304481

INO80 (NM_017553) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INO80 (NM_017553) Human Untagged Clone
Tag:	Tag Free
Symbol:	INO80
Synonyms:	INO80A; INOC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304481 representing NM_017553. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGGATCGCC**
 ATGGCCTCGGAGTTGGGTGCCAGGGATGATGGAGGCTGCACTGAGCTGGCAAAGCCCTCTATCTTCAG
 TACTTGGAGAGGGCCCTCCGGTTGGACCATTTTCTGCGACAAACGTCAGCTATCTTCAATAGGAATATT
 TCTAGTGATGACAGTGAAGATGGACTGGATGACAGTAATCCATTATTGCCCCAGTCTGGGGATCCCTTA
 ATACAAGTTAAGGAAGAACCTCCAAATTCATTGCTTGGTGAACTTCTGGAGCAGGCAGTCTGGAATG
 TTAACACATATTCTCTGAATGGAGTTCTACAGTCAGAATCAAAATGTGATAAGGGGAATTTATATAAT
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 GATTCTCAGAGTGAAGACGATGATGAAGAAGAACTCAATCTCAGCAGAGAAGAACTTCACAACATGCTT
 CGACTACACAAATATAAGAACTTCACCAAAATAAGTATAGTAAAGACAAGGAGTTGCAGCAATATCAG
 TACTACAGTGCAGGCCTGCTCTCCACATATGACCTTTCTATGAGCAACAACGGCACCTACTTGGACCC
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 AGAGATGAAGAACTTTCTCTGAAGAATCCCTCGTCGCCATCACCACCAGACCAAGTCTTTGCCAAG
 TTTTCTCACGATGCACCTCCCCCTGGCACTAAGAAAAAGCACTTATCCATTGAGCAGCTGAATGCTCGT
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 TTGCAGGCCCAGAAGAACTGTAAGGAAACCTTGCTCGTCCCGCCGCTCACCAGGAGATGCTTCTG
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 CGGAAGTTGGATGAGGAAATGCGGGAGGCCAAGAGGCAACAGCGAAAACCTCAACTTCTTAATTACCCAG
 ACAGAGTTGTATGCCATTTTCATGAGTCGCAACGAGATATGGGTCATGATGGTATCCAGGAAGAAATC
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 ATTCACCAAGCTCGGACAAGGTCAATTTGATGAAGATGCAAAAGAAAGTCAGCAGCTGCCCTACGGGCA
 GCAACAAGTCTGGCACTGGGTTTGGGGAGAGTTATAGCCTGGCTAACCCATCTATCCGGGCTGGTGAG


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GATATTCCACAGCCCACAATTTTAAATGGCAAATTGAAAGGTTATCAACTGAAAGGCATGAATTGGTTG
 GCCAATCTATATGAACAGGGTATTAATGGCATTCTTGCTGATGAAATGGGCTTGGTAAAACAGTACAG
 AGCATTGCCCTTCTGGCCATCTGGCTGAGAGAGAGAACATTTGGGGACCTTTCTTAATAATTTACCT
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 GCCCTTGATGCTCTGCTGACTCGGCTCAAGTCTCAAGGGCATAGGGTCTTATCTACTCCAGATGACC
 AGGATGATAGACCTACTGGAGGAATACATGGTTTACAGGAAGCATACCTACATGAGGCTTGATGGCTCA
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 AGTGAGATCTCCATCAGCAGTGAGCTGCACACTGGCTCCATTCCCTGGACGAGAGCAGCAGTGACATG
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 ACAGGCTCCGTCTCAGATACCGTGAATGGAATTTCCATTACAGGAAATGCCAGCTGCAGGACGTGGTCAC
 TCAGCCCGAAGCCGAGGCGCCCAAGGTTTCAAGAACACAGCCAAAGGAGCAGGGAAGGGCCGGAGC
 CGAAAGTCCACGGCAGGCAGTGCTGCTGCAATGGCAGGAGCCAAAGCCGGGGCTGCAGCGCCTCTGCA
 GCTGCCTATGCCGCATACGGGTACAACGTGTCTAAAGGAATCTCCGCCAGCAGTCTCTGCAGACATCC
 CTTGTTCCGGCTGCTGGCCTTGTGACTTTGGACCTTCAAGCGCCTCTTCTCTTTGAGTTCCCTTTG
 AGCAAGGGAAATAATGTTCTGGGAATCCAAGAACCTCCACATGACCAGCAGCCTAGCCCCAGACTCT
 CTGGTCCGGAACAGGGCAAAGGCACCAACCCCTCTGGAGGACGGTAA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC

Restriction Sites:

SgfI-MluI

ACCN:

NM_017553

Insert Size:	4671 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).
OTI Annotation:	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.
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_017553.2</u>
RefSeq Size:	6353 bp
RefSeq ORF:	4671 bp
Locus ID:	54617
UniProt ID:	<u>Q9ULG1</u>
Cytogenetics:	15q15.1
MW:	176.8 kDa
Gene Summary:	This gene encodes a subunit of the chromatin remodeling complex, which is classified into subfamilies depending on sequence features apart from the conserved ATPase domain. This protein is the catalytic ATPase subunit of the INO80 chromatin remodeling complex, which is characterized by a DNA-binding domain. This protein is proposed to bind DNA and be recruited by the YY1 transcription factor to activate certain genes. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2013] Transcript Variant: This variant (1) represents the longer transcript and encodes the functional protein.