

Product datasheet for **RC212094**

INO80 (NM_017553) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	INO80 (NM_017553) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	INO80
Synonyms:	INO80A; INOC1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC212094 representing NM_017553 Red=Cloning site Blue=ORF Green=Tags(s)

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Protein Sequence: >RC212094 representing NM_017553
Red=Cloning site Green=Tags(s)

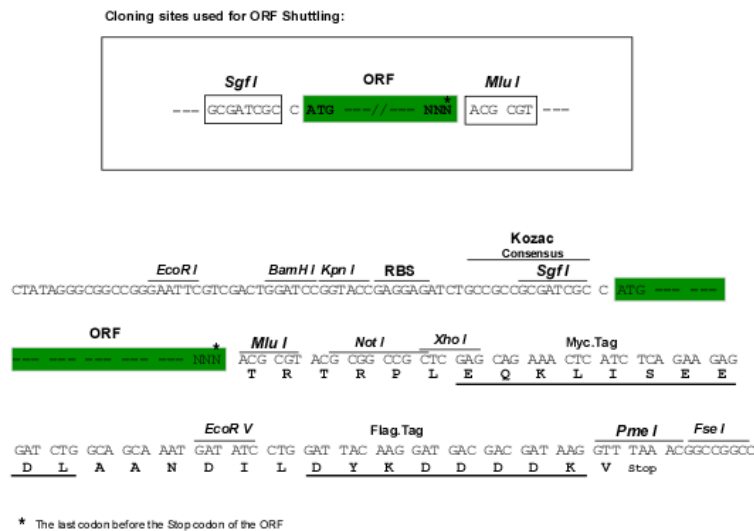
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Chromatograms: https://cdn.origene.com/chromatograms/mk8102_c03.zip

Restriction Sites: Sgfl-MluI

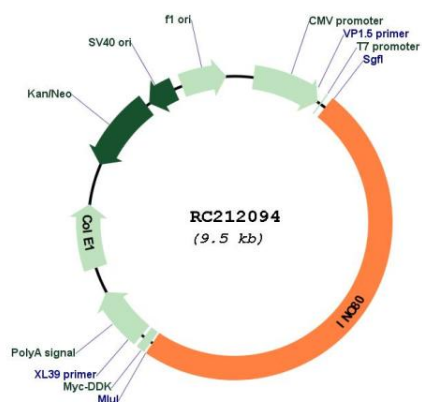
Cloning Scheme:



ACCN: NM_017553

ORF Size:	4668 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017553.3
RefSeq Size:	6249 bp
RefSeq ORF:	4671 bp
Locus ID:	54617
UniProt ID:	Q9ULG1
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]

Product images:



Circular map for RC212094