

Product datasheet for **RG208292**

INO80E (NM_173618) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: INO80E (NM_173618) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: INO80E
Synonyms: CCDC95
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG208292 representing NM_173618
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAACGGGCGCGGACGGCGAAGTGGACTACAAAAAATACCGGAATCTGAAGCGGAAGCTCAAGT
TCCTCATCTACGAGCACGAGTGCTTCCAGGAGGAGCTGAGGAAAGCGCAAAGGAAATTAAGAGGTGTC
CCGGGACAAGAGTTTCTCCTAGACCGACTTCTGCAGTACGAGAACGTTGATGAAGACTCTTCGGACTCA
GATGCCACTGCATCATCAGATAACAGCGAGACGGAGGGGACACCAAGTTGTCTGACACACCGGCCCTA
AGAGGAAGAGAAGCCCTCCGCTGGGGGGCGCCCTCTCCCTCCAGCCTCTCCCTGCCTCCTTCAACAGG
GTTTCCCTTTCAGGCCTCCGGGTCCCCTCCCCATACCTGAGCTCGCTGGCCTCCTCCCGTACCCCCA
TTCCCTTCTGACTACCTGGCCCTGCAGCTGCCGAGCCAGTCCCCTGAGGCCAAGCGGGAGAAACGGC
CCCGCCTGCCCGGAAACTCAAGATGGCGGTGGGACCCCGACTGCCCTGTGGGAGGGCCGCTGACCTT
CCCTGGCCGGGTCTGGGGCTGGGGTCCGGACAACCCTGACCCCTCCACCCCTAAGATGCCCCC
CCCACGATCCTGAGCACGGTCCCTCGGCAGATGTTTCAGCGATGCAGGTAGCGGGACGATGCCTGGATG
GAGACGATGACCTGGTATCGACATCCCGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG208292 representing NM_173618
Red=Cloning site Green=Tags(s)

MNGPADGEVDYKKKYRNLRKLLKFLIYEHECFQEELRKAQRKLLKVSRDKSFLLDRLQYENVDESSDS
 DATASSDNSETEGTPKLSDTAPAKRKRSPPLGGAPSSLSLPPSTGFPLQASGVPSPYLSLASSRYPP
 FPSDYALQLPEPSPLRPKREKRPRLPKLMKMAVGPPDCPVGGPLTFPGRGSGAGVGTTLTPLPPKMP
 PTILSTVPRQMFSDAGSGDDALDGDDDLVIDIPE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173618

ORF Size: 732 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_173618.3](#)

RefSeq Size: 1185 bp

RefSeq ORF: 735 bp

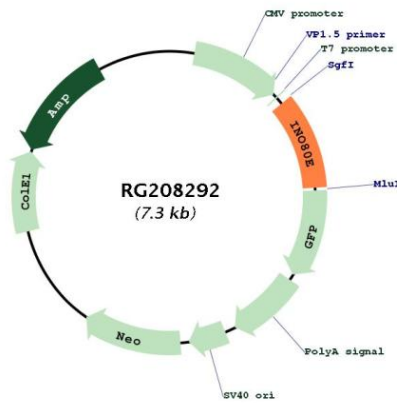
Locus ID: 283899

UniProt ID: [Q8NBZ0](#)

Cytogenetics: 16p11.2

Gene Summary: Putative regulatory component of the chromatin remodeling INO80 complex which is involved in transcriptional regulation, DNA replication and probably DNA repair. [UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG208292