

## Product datasheet for **SC124944**

### INO80C (NM\_194281) Human Untagged Clone

#### Product data:

|                           |                                                                                                   |
|---------------------------|---------------------------------------------------------------------------------------------------|
| Product Type:             | Expression Plasmids                                                                               |
| Product Name:             | INO80C (NM_194281) Human Untagged Clone                                                           |
| Tag:                      | Tag Free                                                                                          |
| Symbol:                   | INO80C                                                                                            |
| Synonyms:                 | C18orf37; hles6; IES6                                                                             |
| Mammalian Cell Selection: | None                                                                                              |
| Vector:                   | <u>pCMV6-XL4</u>                                                                                  |
| E. coli Selection:        | Ampicillin (100 ug/mL)                                                                            |
| Fully Sequenced ORF:      | >NCBI ORF sequence for NM_194281, the custom clone sequence may differ by one or more nucleotides |

ATGGCGGCGCAAATTCCAATTGTGGCCACCACTTCCACTCCCGGAATAGTCCGGAACAGCAAGAAGAGGC  
CGGCCAGCCCTTCCCACAATGGCAGCAGCGCGGGGGCTATGGCGCCAGTAAGAAGAAAAAGCGTCCGC  
TTCCAGCTTTGCGCAGGGTATCAGCATGGAAGCCATGAGTGAGAATAAAATGGTGCCCTCTGAGTTTAGC  
ACAGGACCTGTGGAAAAAGCTGCCAAACCTTTGCCATTTAAGGATCCCACTTTGTGCACTCTGGCCACG  
GTGGCGCAGTAGCTGGCAAGAAGAACAGAACCTGGAAGAACCTGAAACAAATCCTCGTTCTGAAAGGGC  
ATTGCCGTGGCAACTGAACGATCCTAACTACTTCAGTATTGATGCTCCTCCATCCTTTAAGCCAGCTAAG  
AAGTATTCTGATGTTTCAGGTCTGCTTGCCAACCTACACAGACCCCAGAGCAAACTGCGGTTTCAGCACCA  
TTGAAGAGTTTTCTACATTCGGAGGCTGCCCTCTGACGTCGTCACCGGCTACCTGGCCCTGAGGAAGGC  
CACGAGCATCGTTCCTGA



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|-------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>5' Read Nucleotide Sequence:</b> | <p>&gt;OriGene 5' read for NM_194281 unedited</p> <p>TATACGACTCACTATAGCGGCCGCGAATTCGGCACGAGGCGGNAAAGGAAGTTCCAAGG<br/>         CCCGCGCTGGGAAAAAGTGGGGGACCAGGGGAAGACTCGGAGTGCGATGGCGGCGCAA<br/>         TTCCAATTGTGGCCACCACCTTCCACTCCCGGAATAGTCCGGAACAGCAAGAAGAGGCCGG<br/>         CCAGCCCTTCCCACAATGGCAGCAGCGGCGGGGCTATGGCGCCAGTAAGAAGAAAAAG<br/>         CGTCCGCTTCCAGCTTTGCGCAGNACGAGTCGCGCTCCCAGGCTGCGCGTGCGCGTCG<br/>         CGAAACGGGACTTGGCGGGGCGGAGCCGAGCCAGGGCGCGTGCGTAATGTGGGGCGCTGC<br/>         GCGTGCGGTCTCCGTTGGGGTTGAAAGACGCTGCCCGCGGAGTGAATGACTACTCTTTC<br/>         CCTTCGTTTGGACACATGGGCTTACAACGCCTTGGGTTGTAAGGAGAGAAGAAAAAGTAG<br/>         GGAGGTTNTCTCTGACTTANTTTAATAGAAGGACTGCCTCTTCCCTCAGGGCCCCCTTAC<br/>         CNTGAGGTCCNNACTAAGGAGGTCCTCCCTTCCAAATTTCTGACTTCCCTCTTCTTTT<br/>         TCCCTCTTTCCCNNTTTTNTGCCCCCCCCCCCANGCCCCCTTGCNCTTTTCAT<br/>         TTTCTTTTNCNCCCTCCTCTTCCCTNTNATACNNTCTTTTTTCCCTCTTTTCTTT<br/>         CNNCCTCTCTCCCCCTTCTATCCNCCNNTTCCCTNTTCCCCNCCCCCTTCTCT<br/>         CTCTCCTTTCCGCTNNTCCCTCCNCTTCCCTNCCCNNTNTCCNCCCTTTTNTTCTC<br/>         TTTNTTCCGCTCNCCCCCNCNCTNATCTCTNTTCTTCCCTATTTATATACTACAA<br/>         TAAATATAATACAA</p> |
| <b>Restriction Sites:</b>           | NotI-NotI                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>ACCN:</b>                        | NM_194281                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>Insert Size:</b>                 | 4700 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>OTI Disclaimer:</b>              | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Components:</b>                  | 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).                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Reconstitution Method:</b>       | <ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq:</b>                      | <u><a href="#">NM_194281.2</a></u> , <u><a href="#">NP_919257.2</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq Size:</b>                 | 1005 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>RefSeq ORF:</b>                  | 579 bp                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Locus ID:</b>                    | 125476                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>UniProt ID:</b>                  | <u><a href="#">Q6PI98</a></u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Cytogenetics:</b>                | 18q12.2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |

**Gene Summary:**

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

Transcript Variant: This variant (2) lacks two alternate in-frame exons in the 5' coding region, compared to variant 1. The resulting protein (isoform 2) is shorter than isoform 1.