

## Product datasheet for **SC321806**

### HEXO (ERI1) (NM\_153332) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HEXO (ERI1) (NM_153332) Human Untagged Clone
Tag:	Tag Free
Symbol:	HEXO
Synonyms:	3'HEXO; HEXO; THEX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_153332.2  
 CCGCCGCCGCGGGAACGCGAGCCCGTAATTTTTCAACGGAGAAAAGGCGAGGCTTTCGGG  
 CTCTGCAGAGTGAGAGTTAGCAAGTGTCCGGCTCCAGCAACTCTCCTCTGGCGTGACAGC  
 CGGCATGGAGGATCCACAGAGTAAAGAGCTGCCGGCGAGGCCGTGGCTCTCGCGTGT  
 GGAGTCGCCGCGCCGGAGGGGCGGGAGGAGCCGCCGCTCCAGTCCCGAGGAACTCA  
 ACAGTGTAAATTTGATGGCCAGGAGACAAAAGGATCCAAGTTCATTACCTCCAGTGGCAG  
 TGACTTCAGTGACCCGGTTTACAAGAGATTGCCATTACGAATGGCTGTATTAATAGAAT  
 GAGTAAGGAAGAACTCAGAGCTAAGCTTTCAGAATTCAAGCTTGAAACTAGAGGAGTAAA  
 GGATGTTCTAAAGAAGAGACTGAAAACTATTATAAGAAGCAGAAGCTGATGCTGAAAGA  
 GAGCAATTTTGCTGACAGTTATTATGACTACATTTGTATTATTGACTTTGAAGCCACTTG  
 TGAAGAAGGAAACCCACCTGAGTTTGTACATGAAATAATTGAATTTCCGGTTGTTTTACT  
 GAATACGCATACTTTAGAAATAGAAGACACGTTTCAGCAGTATGTAAGACCAGAGATTAA  
 CACACAGCTGTCTGATTTCTGCATCAGTCTAACTGGAATTACTCAGGATCAGGTAGACAG  
 AGCTGATACCTTCCCTCAGGTACTAAAAAAGTAATTGACTGGATGAAATGAAGGAATT  
 AGGAACAAAGTATAAATACTCACTTTTAAACAGATGGTTCTTGGGATATGAGTAAGTCTT  
 GAACATTCAGTGTCAACTCAGCAGGCTCAAATACCCTCCTTTTGCGAAAAAGTGGATCAA  
 TATTCGGAAGTCATATGGAAATTTTACAAGGTTCTTAGAAGCCAAACAACTGACAAT  
 AATGCTTGAAAAATTAGGAATGGATTATGATGGCGGCCTCACTGTGGTCTTGATGACTC  
 TAAGAATATCGCCGAATAGCAGTTCGAATGCTTCAGGATGGGTGGAATCCGAATCAA  
 CGAGAAAAATGCATGCAGGACAGCTAATGAGTGTCTCTTCTTACCAATAGAGGGCAC  
 TCCACCACCACAAATGCCACATTTTAAAAAGTAAACAACAGTTTTGTGTGGATCATTCC  
 AATTGAAGTTGCTATGAAGAGGTAGCAGATGAATCTCATTGAATTAGCTGTAGTGCAA  
 ACTTTAAGCACCTTAAAAATTTTAAAACTTATTACAGGTAGATAGATAGATACATGTA  
 TGTGAACAGATTTTGTAGGAAGGCATACTGAATTCCTTGTCAACCAGCACTTTTGATATGA  
 ACAGTATTCGTTACATAGTAACAGTTCCTGCTTACAACGAATTTTATAATTTAAGGTGT  
 TCAAGATATATCTTTTTGGTTTTAAAAATGCAAAATCTTATTGGCTGTTCTGTTGAATGT  
 CATATCTTACTGGTGTAAAATATGTAATGTGTTTCTTTATTAACATCACTAGATGAAAC  
 CATATCTTAAAAATGCAGAAATGATTGGAAGGTAGATCTTATCTAGCCTTTGGATTTCAAG  
 AATATCATAGTCCTTTTGATTTTCAAAGTTTATATGTGAAGTTCACCATGTATGGTGA  
 ATTTTCGTAAGGTACTTGGTATACATATCTGCCTATGTTTCTTTCAACTCATAATTGGAA  
 GAATTATGATGGATTATAGGTTTGGTTAAAAATCCAGTACTGAAGGAATTAATGAAAA  
 CGTAGAAGAAAGTACTAAAGGAATATCATAAGGGCTGTAGCTCAAACCTCATAATACAT  
 AAATCACTGGGGTCTTTTTGGATTTGGTTGTTGATTTCGCTTCTTTTTGACATATGT  
 ATGCCTTAATCTTAAATCTGAGGGACCATGCTTTGAAATAGACTGAAAATTAAGGGTCA  
 CCACCTAATTTTACTTTGATTTCAGTATCGTAAGTGAGGTTAATAAAGTCAATACCTTCT  
 ACCATATATTACGTTTTTGTATTAAAAAACTTATTGGCCACTAGTGAAGTTAGTCAAT  
 AAAAGACTTGTTTTTCTGAA  
 AAA

**Restriction Sites:** Please inquire

**ACCN:** NM\_153332

**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.

<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_153332.2</a></u> , <u><a href="#">NP_699163.2</a></u>
<b>RefSeq Size:</b>	2195 bp
<b>RefSeq ORF:</b>	1050 bp
<b>Locus ID:</b>	90459
<b>UniProt ID:</b>	<u><a href="#">Q8IV48</a></u>
<b>Cytogenetics:</b>	8p23.1
<b>Gene Summary:</b>	RNA exonuclease that binds to the 3'-end of histone mRNAs and degrades them, suggesting that it plays an essential role in histone mRNA decay after replication. A 2' and 3'-hydroxyl groups at the last nucleotide of the histone 3'-end is required for efficient degradation of RNA substrates. Also able to degrade the 3'-overhangs of short interfering RNAs (siRNAs) in vitro, suggesting a possible role as regulator of RNA interference (RNAi). Requires for binding the 5'-ACCCA-3' sequence present in stem-loop structure. Able to bind other mRNAs. Required for 5.8S rRNA 3'-end processing. Also binds to 5.8s ribosomal RNA. Binds with high affinity to the stem-loop structure of replication-dependent histone pre-mRNAs.[UniProtKB/Swiss-Prot Function]