

Product datasheet for SC317546

HEXO (ERI1) (NM_153332) Human Untagged Clone

Product data:

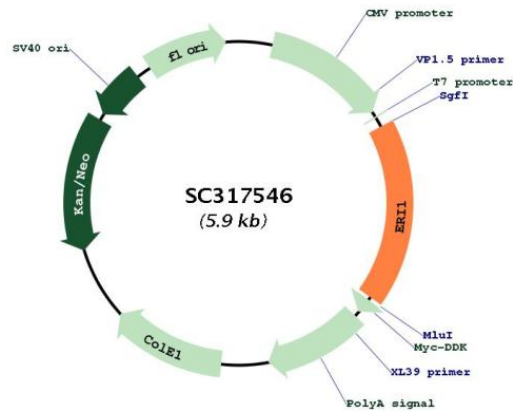
Product Type:	Expression Plasmids
Product Name:	HEXO (ERI1) (NM_153332) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERI1
Synonyms:	3'HEXO; HEXO; THEX1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC317546 representing NM_153332. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGAGGATCCACAGAGTAAAGAGCCTGCCGGCGAGGCCGTGGCTCTCGCGCTGCTGGAGTCCGCCGCG
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GAGACAAAAGGATCCAAGTTCATTACCTCCAGTCCGAGTACTTCAGTACCCGGTTTACAAGAGATT
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CATGCAGGACAGCTAATGAGTGTCTCTCTTCCCTTACCAATAGAGGGCACTCCACCACCACAAATGCCA
CATTTTGAAGTAA
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_153332

Insert Size: 1050 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: [NM_153332.3](#)

RefSeq Size: 4615 bp

RefSeq ORF: 1050 bp

Locus ID: 90459

UniProt ID: [Q8IV48](#)

Cytogenetics: 8p23.1

MW: 40.1 kDa

Gene Summary: 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]