

Product datasheet for **SC303393**

HESX1 (NM_003865) Human Untagged Clone

Product data:

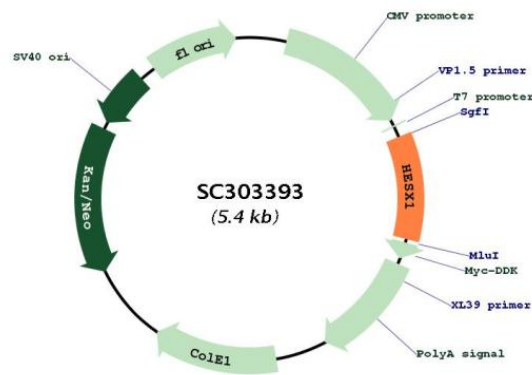
Product Type:	Expression Plasmids
Product Name:	HESX1 (NM_003865) Human Untagged Clone
Tag:	Tag Free
Symbol:	HESX1
Synonyms:	ANF; CPHD5; RPX
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC303393 representing NM_003865. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGTCTCCAGCCTTCAGGAAGGCGCTCAGCTCGGGGAAAAACAAACCCTCAACTGCTCCTTTTCAATT
GAGAGAATCTTAGGACTGGACCAGAAGAAAGACTGTGTTCCATTAATGAAACCCACAGGCCCTGGGCA
GACACCTGCAGCTCATCAGGAAAGATGGTAACCTATGTCTACATGTCCCAAATCCTCCAGTGGGATT
TCATTCCCTAGCGTGGTGGATCACCCAATGCCAGAAGAAAGAGCTTCGAAATATGAAAATTACTTTTCA
GCCTCAGAAAGACTGTCTTTGAAAAGAGAGTTGAGTTGGTATAGAGGCCGAAGACCAAGAAGTCTTTT
ACTCAAACCAGATTGAAGTGTTAGAAAATGTCTTTAGAGTAAACTGCTATCCTGGTATCGATATTAGA
GAAGACTTAGCTCAAAAATTGAATCTAGAGGAAGACAGAATCCAGATTTGGTTTCAAATCGGCGTGCA
AAACTGAAAAGGTCCCATAGAGAATCACAGTTTCTAATGGCGAAAAAAATTTCAACACAAATCTGCTG
GAATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: Sgfl-MluI



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Plasmid Map:


ACCN: NM_003865

Insert Size: 558 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:	<u>NM_003865.2</u>
RefSeq Size:	1182 bp
RefSeq ORF:	558 bp
Locus ID:	8820
UniProt ID:	<u>Q9UBX0</u>
Cytogenetics:	3p14.3
Protein Families:	Druggable Genome, Transcription Factors
MW:	21.4 kDa
Gene Summary:	This gene encodes a conserved homeobox protein that is a transcriptional repressor in the developing forebrain and pituitary gland. Mutations in this gene are associated with septooptic dysplasia, HESX1-related growth hormone deficiency, and combined pituitary hormone deficiency. [provided by RefSeq, Jul 2008]