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Product datasheet for SC307367

H1T2 (H1FNT) (NM_181788) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	H1T2 (H1FNT) (NM_181788) Human Untagged Clone
Tag:	Tag Free
Symbol:	H1T2
Synonyms:	H1.7; H1FNT; H1T2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307367 representing NM_181788. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGAACAGGCCTTGACTGGTGAGGCCCAAAGCCGGTGGCCCCGCAGAGGCGGGAGTGGGGCCATGGCT GAGGCGCCTGGGCCCAGTGGCGAATCCCGAGGACACTCAGCCACTCAGCTGCCAGCGGAAAAAACTGTC GGGGGACCATCGAGGGGCTGCTCAAGCTCCGTGCTCAGAGTGTCCCAGTTGGTGCTCCAGGCCATCTCC ACTCACAAAGGGCTGACTCTGGCAGCTCTCAAGAAGGAGCTCCGAAACGCCGGCTACGAAGTGCGCAGG AAGAGCGGCCGCCACGAAGCGCCCAGGGGGCAGGCCAAGGCCACGCTCCTCCGGGTCAGCGGCAGCGAC GCCGCCGGCTACTTCAGGGTCTGGAAGGTTCCCAAGCCCAGGAGAAAGCCGGGACGCGCGAGGCAAGAG GAGGGCACGCGCGCTCCCTGGAGGACCCCAGCCGCGCCCCGGAGCTCCCGGAGGCGCCGCCAGCCCCTT CGCAAGGCGGCCAGGAAGGCCAGAGAAGTGTGGAGACGGAACGCGAGGGCGAAAGCCAAGGCCAATGCC AGGGCGAGGAGGACCAGGAGGGCAAGGCCGAGAGCCAAGGAGCCGCCGTGTGCCAGAGCCAAGGAGGAA GCGGGAGCGACAGCGGCAGACGAGGGGCGAGGACAGGCCGTGAAGGAAGACACCACGCCGAGGTCAGGG AAGGACAAGAGGCGAAGCTCCAAGCCCAGGGAAGAGAAGCAGGAGCCCAAGAAGCCCGCACAGCGGACC ATCCAGTAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
ACCN:	NM_181788
Insert Size:	768 bp

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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_181788.1
RefSeq Size:	1300 bp
RefSeq ORF:	768 bp
Locus ID:	341567
UniProt ID:	Q75WM6
Cytogenetics:	12q13.11
MW:	28.1 kDa
Gene Summary:	Histones are basic nuclear proteins that are responsible for the nucleosome structure of the chromosomal fiber in eukaryotes. Nucleosomes consist of approximately 146 bp of DNA wrapped around a histone octamer composed of pairs of each of the four core histones (H2A, H2B, H3, and H4). The chromatin fiber is further compacted through the interaction of a linker histone, H1, with the DNA between the nucleosomes to form higher order chromatin structures. This gene is intronless and encodes a replication-independent histone that is a member of the histone H1 family. The related mouse gene encodes a testis specific protein that is required for spermatogenesis and male fertility. [provided by RefSeq, Oct 2015]