

## Product datasheet for **RC230065**

### HHAT (NM\_001170588) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HHAT (NM_001170588) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HHAT
Synonyms:	MART2; SKI1; Skn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



[View online »](#)

**ORF Nucleotide Sequence:**

>RC230065 representing NM\_001170588  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTGCCCCGATGGAACTGGCACTTTACCTACTTGCCTCACTAGGCTTCCACTTCTATTCCTTCTATG  
 AAGTTTACAAAGTCTCCAGAGAACACGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACACTTT  
 ATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGGAAGCAGTGG  
 CTGGTGTGGCTTCTCCTTGGCCACATGGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGAGAAGGT  
 GGTACAAGACAGAAAACGAGTACTACCTGCTGCAGTTCACGCTGACCGTTCGCTGCCTGTACTACCCAG  
 CTTCAGCCTGGAGCTCTGCTGGCAGCAGCTGCCTGCTGCATCGACCTCCTACTCCTTTCCCTGGATGCTG  
 GCCTATGTCTTTATTATCCAGTCTTACACAATGGGCCATCCTCAGCTTCTCGGAGTTCATCAAACAGA  
 TGCAGCAGCAGGAGCATGACTCCCTGAAGGCCAGCCTGTGTCTCGCCCTGGGCTGGGCCGCTTCT  
 TTGCTGGTGGTGGCTGGCCGAGCTGATGGCTCACCTGATGTACATGCATGCCATCTACAGCAGCATCCCC  
 CTCTGGAGACTGTCTTGTGGACCTTAGGAGGACTGGCGTTAGCCAGGTGCTTTTTTCTACGTGA  
 AGTACTTGGTGTCTTTGGCGTGCCTGCTGCTCATGCGCCTGGATGGACTCACTCCACCCGCCCTCCC  
 CCGCTGCGTGAGCACCATGTTTCAGTTTACCAGGATGTGGAGGATTTTGTGTTGGACTGCATAATTTT  
 TTAATCAGGATGTGTACATTCCAGTGGCGGGTCCCAGCATGGCCTGCTGGGACACTGTTTTCCACGG  
 CGATGACATTTGCATTTGTGAGCTACTGGCATGGCGGCTACGACTACCTGCTGGTGGTGGGAGCGCTCAA  
 CTGGCTGGGAGTCACTGTGGAGAATGGAGTCCGGAGGCTGGTGGAGACTCCCTGCATCCAGGACAGTCTG  
 GCCCGTACTTCTCCCAAGCTCGCCGTCGATTCCACGCTGCCCTTGTCTTGTTCACCTCGATGC  
 TGATCCTGTCCAACCTGGTATTTCTTGGGGCAATGAGGTTGGGAAAACCTACTGGAATAGGATCTTCAT  
 ACAAGGCTGGCCTTGGGTGACCCTCTGTCTGGGATTCTGTACTGCTACTCCACGTGGGCATTGCC  
 TGGGCCAGACCTACGCCACGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC230065 representing NM\_001170588  
 Red=Cloning site Green=Tags(s)

MLPRWELALYLLASLGFHFYSFYEVYKVSREHEEELDQEFLETDLFGGLKKDATDFEWSFWMWEGKQW  
 LVWLLLGHMVVSQMATLLARKRRWYKTENEYLLQFTLTVRCLYYTSFSLELCWQQLPAASTSYSPWML  
 AYVFYYPVLHNGPILSFSEFIKMQQQEHDSLKASLCVLAALGLRLLCWWLAELMAHLMYMHAIYSSIP  
 LLETVSCWTLGGLALAQVLFYVYKYLVLFGVPALLMRLDGLTPPALPRCVSTMFSFTGMWRYFDVGLHNF  
 LIRYVYIPVGGSQHGLLGTLFSTAMTFVSYWHGGYDYLWCWAALNWLGVTVENGVRRLVETPCIQDSL  
 ARYFSPQARRRFHAALASCSTSMILSNLVFLGGNEVGKTYWNRIFIQGWVWVTLVGLFLYCYSHVGI  
 WAQTYATD

**TR**TRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:**

[https://cdn.origene.com/chromatograms/mk8059\\_b09.zip](https://cdn.origene.com/chromatograms/mk8059_b09.zip)

**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**


**ACCN:** NM\_001170588

**ORF Size:** 1284 bp

**OTI Disclaimer:** The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

**OTI Annotation:** This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

**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\\_001170588.2](#), [NP\\_001164059.1](#)

**RefSeq ORF:** 1287 bp

**Locus ID:** 55733

**UniProt ID:** [Q5VTY9](#)

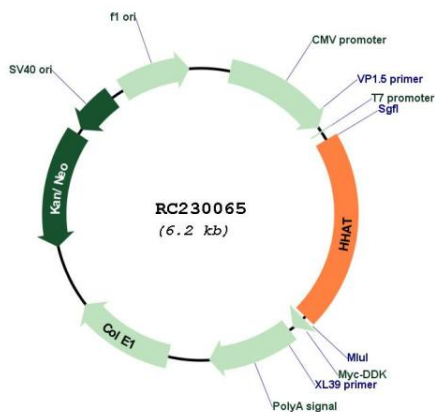
**Cytogenetics:** 1q32.2

**Protein Families:** Transmembrane

**MW:** 50.3 kDa

**Gene Summary:** 'Skinny hedgehog' (SKI1) encodes an enzyme that acts within the secretory pathway to catalyze amino-terminal palmitoylation of 'hedgehog' (see MIM 600725).[supplied by OMIM, Jul 2002]

**Product images:**



Circular map for RC230065