

## Product datasheet for RC229932

### HHAT (NM\_001170564) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HHAT (NM_001170564) 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)
ORF Nucleotide Sequence:	>RC229932 representing NM_001170564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCCGATGGAACTGGCACTTTACCTACTTGCCTCACTAGGCTTCCACTTCTATTCTTCTATG  
AAGTTTACAAAGTCTCCAGAGAACGGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACACTTT  
ATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGGAAGCAGTGG  
CTGGTGTGGCTTCTCCTTGGCCACATGGTAGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGATGCAGC  
AGCAGGAGCATGACTCCCTGAAGGCCAGCTGTGTGCTGCTGGCCCTGGGGCTGGGCCGCTTCTTTGCTG  
GTGGTGGCTGGCCGAGCTGATGGCTCACCTGATGTACATGCATGCCATCTACAGCAGCATCCCCCTCCTG  
GAGACTGTCTCTTGTGGACCTTAGGAGGACTGGCGTTAGCCAGGTGCTTTTTCTACGTGAAGTACT  
TGGTGCTCTTTGGCGTGCCTGCTGCTCATGCGCCTGGATGGACTCACTCCACCCGCCCTCCCCGCTG  
CGTGAGCACCATGTTTCAGTTTCACCGGGATGTGGAGGTATTTGATGTTGGACTGCATAATTTCTTAATC  
AGGTATGTGTACATTCAGTGGCGGGTCCCAGCATGGCTGCTGGGGACTGTTTTCCACGGCGATGA  
CATTTGCATTTGTGAGCTACTGGCATGGCGGCTACGACTACCTCTGGTGTGGCAGCGCTCAACTGGCT  
GGGAGTCACTGTGGAGAATGGAGTCCGGAGGCTGGTGGAGACTCCCTGCATCCAGGACAGTCTGGCCCGA  
TACTTCTCCCCACAAGCTCGCCGTCGATTCCACGCTGCCCTTGTCTTTGTTCCACCTCGATGCTGATCC  
TGTCCAACCTGGTATTTCTTGGGGCAATGAGGTTGGGAAAACCTACTGGAATAGGATCTTCATACAAGG  
CTGGCCTTGGGTGACCCTCTCTGTCTGGATTCTGTACTGCTACTCCACGTGGGCATTGCCTGGGCC  
CAGACCTACGCCAGGAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RC229932 representing NM\_001170564  
 Red=Cloning site Green=Tags(s)

MLPRWELALYLLASLGFHFYSFYEVYKVSREHEEELDQEFLETDLFGGLKKDATDFEWSFWMWEGKQW  
 LVWLLGHMVVSQMATLLARKMQQEHDLSLKASLCVLAALGLRLLCWWLAELMAHLMYMHAIYSSIPLL  
 ETVSCWTLGGLALAQVLFYVKYLVLFVGPALLMRLDGLTPPALPRCVSTMFSTGMWRVYFDVGLHNFLI  
 RYVYIPVGGSQHGLLGTLFSTAMTFAFVSYWHGGYDYLWCWAALNWLGVTVENGVRRLVETPCIQDSLAR  
 YFSPQARRRFHAALASCSTSMILISNLVFLGGNEVGKTYWNRIFIQGPWPVTLVSLGFLYCYSHVGIAWA  
 QTYATD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

**ACCN:** NM\_001170564

**ORF Size:** 1068 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\\_001170564.2](#), [NP\\_001164035.1](#)

**RefSeq ORF:** 1071 bp

**Locus ID:** 55733

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

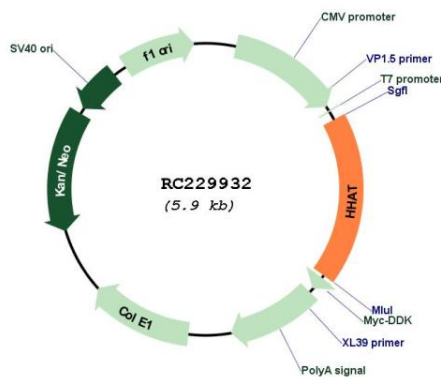
**Cytogenetics:** 1q32.2

**Protein Families:** Transmembrane

**MW:** 41.5 kDa

**Gene Summary:** 'Skinny hedgehog' (SK11) 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 RC229932