

## Product datasheet for **RG208447**

### HHAT (NM\_018194) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HHAT (NM_018194) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HHAT
Synonyms:	MART2; SKI1; Skn
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG208447 representing NM_018194 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGCTGCCCGATGGAACTGGCACTTTACCTACTTGCCTCACTAGGCTTCCACTTCTATTCTTCTATG  
AAGTTTACAAAGTCTCCAGAGAACGGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACACTTT  
ATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGGAAGCAGTGG  
CTGGTGTGGCTTCTCCTTGGCCACATGGTAGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGCACAGAC  
CCTGGATTCTCATGCTCTATGGGATGTGGCCTGCTGGTGTGTGCTGGGACCCCTGGTGTGGCTATGGT  
TTTGCTCCATACCACCATCTCTTTCTGCGTGGCCAGTTCGGTCTCAGCTCCTGACGTGGCTCTGTCT  
CTCCTCCTCCTCTCCACACTGAGGCTGCAGGTTGGAAGAAGTTAAGAGAAGGTTACAAGACAGAAA  
ACGAGTACTACCTGCTGCAGTTCACGCTGACCGTTCGCTGCCTGTACTACACCAGCTTCAGCCTGGAGCT  
CTGCTGGCAGCAGCTGCCTGCTGCATCGACCTCTACTCCTTTCCCTGGATGCTGGCCTATGTCTTTAT  
TATCCAGTCTTACACAATGGGCCATCCTCAGCTTCTCGGAGTTCATCAAACAGATGCAGCAGCAGGAAC  
ATGACTCCCTGAAGCCAGCCTGTGTCTGGCCCTGGGCTGGGCCCTTCTTTGCTGGTGGTGGCTG  
GCCGAGC

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG208447 representing NM\_018194  
Red=Cloning site Green=Tags(s)

MLPRWELALYLLASLGFHFYSFYEVYKVSREHEEELDQEFLETDTLFGGLKKDATDFEWSFWMWGWKQW  
 LVWLLLGHMVVSQMATLLARKHRPWILMLYGMWACWCVLGTGPVAMVLLHTTISFCVAQFRSOLLTWLCS  
 LLLLSTLRLQGVVEVKRRWYKTENEYLLQFTLTVRCLYYTSFSLELCWQQLPAASTSYSFPWMLAYVYF  
 YPVLHNGPILSFSEFIKQMQQEHDSLKASLCVLALGWAFFAGGGWPS

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018194

**ORF Size:** 777 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\\_018194.1](#), [NP\\_060664.1](#)

**RefSeq Size:** 3598 bp

**RefSeq ORF:** 1482 bp

**Locus ID:** 55733

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

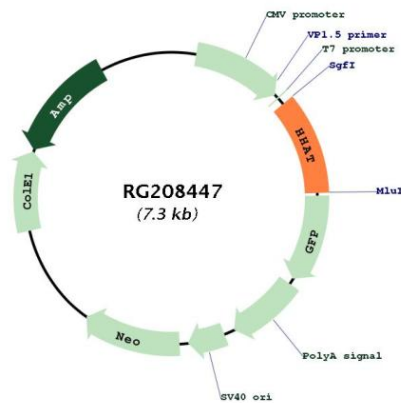
**Cytogenetics:** 1q32.2

**Domains:** MBOAT

**Protein Families:** Transmembrane

**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 RG208447