

Product datasheet for **RC208447**

HHAT (NM_018194) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHAT (NM_018194) 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:	>RC208447 representing NM_018194 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGC**C

ATGCTGCCCGATGGAACTGGCACTTTACCTACTTGCCTCACTAGGCTTCCACTTCTATTCCTTCTATG
AAGTTTACAAAGTCTCCAGAGAACGGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACACTTT
ATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGGAAGCAGTGG
CTGGTGTGGCTTCTCCTTGGCCACATGGTAGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGCACAGAC
CCTGGATTCTCATGCTCTATGGGATGTGGCCTGCTGGTGTGTGCTGGGACCCCTGGTGTGGCTATGGT
TTTGCTCCATACCACCATCTTTCTGCGTGGCCAGTTCGGTCTCAGCTCCTGACGTGGCTCTGTCT
CTCCTCCTCTCCACACTGAGGCTGCAGGTGTGGAAGAAGTTAAGAGAAGGTGTTACAAGACAGAAA
ACGAGTACTACCTGCTGCAGTTCACGCTGACCGTTTCGCTGCCTGTACTACACCAGCTTCAGCCTGGAGCT
CTGCTGGCAGCAGCTGCCTGCTGCATCGACCTCCTACTCCTTTCCCTGGATGCTGGCCTATGTCTTTAT
TATCCAGTCTTACACAATGGGCCATCCTCAGCTTCTCGGAGTTCATCAAACAGATGCAGCAGCAGGAAC
ATGACTCCCTGAAGCCAGCCTGTGTCTGGCCCTGGGCTGGGCCCTTCTTTGCTGGTGGTGGCTG
GCCGAGC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC208447 representing NM_018194
Red=Cloning site Green=Tags(s)

MLPRWELALYLLASLGFHFYSFYEVYKVSREHEEELDQEFLETDTLFGGLKKDATDFEWSFWMWGWKQW
 LVWLLLGHMVVSQMATLLARKHRPWILMLYGMWACWCVLGTPGVAMVLLHTTISFCVAQFRSOLLTWLCS
 LLLLSTLRLQGVVEVKRRWYKTENEYLLQFTLTVRCLYYTSFSLELCWQQLPAASTSYSFPWMLAYVYF
 YPVLHNGPILSFSEFIKQMQQQEHDLSLKASLCVLALGWAFFAGGWPS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6364_f07.zip

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 Size: 3598 bp

RefSeq ORF: 1482 bp

Locus ID: 55733

UniProt ID: [Q5VTY9](#)

Cytogenetics: 1q32.2

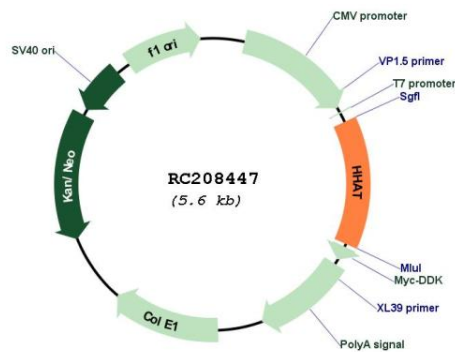
Domains: MBOAT

Protein Families: Transmembrane

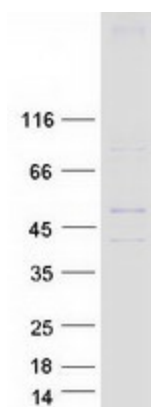
MW: 30.51 kDa

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 RC208447



Coomassie blue staining of purified HHAT protein (Cat# [TP308447]). The protein was produced from HEK293T cells transfected with HHAT cDNA clone (Cat# RC208447) using MegaTran 2.0 (Cat# [TT210002]).