

Product datasheet for **RC230170**

HHAT (NM_001170580) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHAT (NM_001170580) 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)



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ORF Nucleotide Sequence:

>RC230170 representing NM_001170580
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGCTGCCCCGATGGAACTGGCACTTTACCTACTTGCCTCACTAGGCTTCCACTTCTATTCTTCTATG
 AAGTTTACAAAGTCTCCAGAGAACACGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACACTTT
 ATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGGAAGCAGTGG
 CTGGTGTGGCTTCTCCTTGGCCACATGGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGCACAGAC
 CCTGGATTCTCATGCTCTATGGGATGTGGGCTGCTGGTGTGTCTGGGACCCCTGGTGTGGCTATGGT
 TTTGCTCCATACCACCATCTCTTCTGCGTGGCCAGTTCCGGTCTCAGCTCCTGACGTGGCTCTGTTCT
 CTCCTCTCTCTCCACACTGAGGCTGCAGGTGTGAAGAAGTTAAGAGAAGGTGTTACAAGACAGAAA
 ACGAGTACTACCTGCTGCAGTTCACGCTGACCGTTCGCTGCCTGTACTACACAGCTTCAGCCTGGAGCT
 CTGCTGGCAGCAGCTGCCTGCTGCATCGACCTCCTACTCCTTTCCCTGGATGCTGGCCTATGTCTTTAT
 TATCCAGTCTTACACAATGGGCCCATCCTCAGCTTCTCGAGTTCATCAAACAGATGCAGCAGCAGGAGC
 ATGACTCCCTGAAGGCCAGCCTGTGTCTGCTGGCCCTGGGGCTGGGCCGCTTCTTTGCTGGTGGTGGCT
 GGCCGAGCTGATGGCTCACCTGATGTACATGCATGCCATCTACAGCAGCATCCCCCTCCTGGAGACTGTC
 TCTTGTGGACCTTAGGAGGACTGGCGTTAGCCAGGTGCTCTTTTCTACGTGAAGTACTTGGTGTCTCT
 TTGGCGTGCCTGCTCTGCTCATGCGCTGGATGGACTCACTCCACCCGCCCTCCCCGCTGCGTGAGCAC
 CATGTTTCAGTTTACCGGGATGTGGAGGTATTTGATGTTGGACTGCATAATTTCTTAATCAGGTATGTG
 TACATTCAGTGGGCGGGTCCAGCATGGCCTGCTGGGACACTGTTTTCCACGGCGATGACATTTGCAT
 TTGTGAGCTACTGGCATGGCGGTACGACTACCTCTGGTGTGGCAGCGCTCACTGGCTGGGAGTCACT
 TGTGGAGAAATGGAGTCCGAGGCTGGTGGAGACTCCCTGCATCCAGGACAGTCTGGCCCGATACTTCTCC
 CCACAAGCTCGCCGTGATTCCACGCTGCCCTTGTCTTGTTCACCTCGATGCTGATCTGTCCAACC
 TGGTATTTCTGGGGGAATGAGGTTGGGAAACCTACTGGAATAGGATCTTCATACAAGGCTGGCCTTG
 GGTGACCTCTCTGTCTGGGATTCTGTACTGCTACTCCACGTGGGCATTGCCTGGGCCAGACCTAC
 GCCACGGAC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230170 representing NM_001170580
 Red=Cloning site Green=Tags(s)

MLPRWELALYLLASLGHFYSFYEVYKVSREHEEELDQEFLETDTLFGGLKKDATDFEWSFWMWGWKQW
 LVWLLGHMVVSQMATLLARKHRPWILMLYGMWACWCVLGTGPVAMVLLHTTISFCVAQFRSOLLTWLCS
 LLLLSTLRLQGVVEVKRRWYKTENEYLLQFTLTVRCLYYTSFSLELCWQQLPAASTSYSPWMLAYVFY
 YPVLHNGPILSFSEFIKMQQQEHDSLKASLCVLALGLGRLLCWWLAELMAHLMYMHAIYSSIPLET
 SCWTLGGLALAQVLFFYVKYLVLFVGPALLMRDLGTPPALPRCVSTMFSTGMWRYFDVGLHNFIRYV
 YIPVGGSQHLLGTLFSTAMTFAFVSYWHGGYDYLWCWAALNWLGVTVENGVRRLVETPCIQDSLARYFS
 PQARRRFHAALASCSTSMILSNLVFLGGNEVGKTYWNRIFIQGWPVVTLVGLFLYCYSHVGIWAQTY
 ATD

TRTRPLE**QKL**ISEEDLAANDILDYKDDDDKV

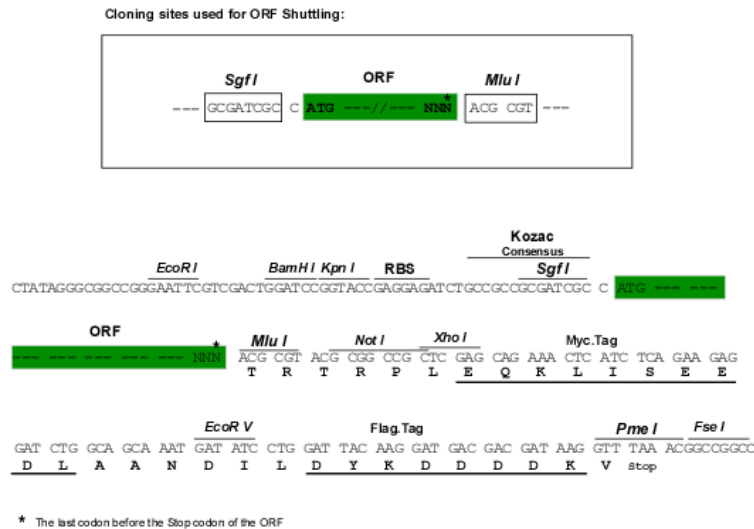
Chromatograms:

https://cdn.origene.com/chromatograms/mk8063_c04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN: NM_001170580

ORF Size: 1479 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_001170580.3](#)

RefSeq ORF: 1482 bp

Locus ID: 55733

UniProt ID: [Q5VTY9](#)

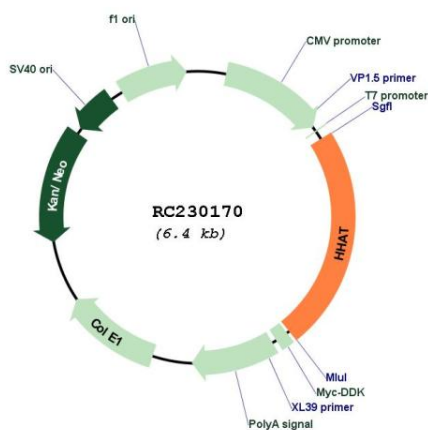
Cytogenetics: 1q32.2

Protein Families: Transmembrane

MW: 57.8 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 RC230170