

Product datasheet for **RC230171**

HHAT (NM_001170587) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHAT (NM_001170587) 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:

>RC230171 representing NM_001170587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGTCGCTGGACTCGGAAGTCCGAAAGAGGGGTGTTGGAACTCGCGCGCGCTGAACGTTGCCGTC
 GCCGCCGCCCGGACAGCCCGGAGAACACGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACAC
 TTTATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGAAAGCAG
 TGGCTGGTGTGGCTTCTCCTTGGCCACATGGTAGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGCACA
 GACCTGGATTCTCATGCTCTATGGGATGTGGCCTGCTGGTGTGTGCTGGGGACCCCTGGTGTGGCTAT
 GGTTTTGTCCATACCACCATCTCTTTCTGCGTGGCCAGTTCGGTCTCAGCTCCTGACGTGGCTCTGT
 TCTCTCTCTCTCTCCACACTGAGGCTGCAGGGTGTGGAAGAAGTTAAGAGAAGGTGTTACAAGACAG
 AAAACGAGTACTACCTGCTGCAGTTCACGCTGACCGTTCGCTGCCTGTACTACACCAGCTTCAGCCTGGA
 GCTCTGCTGGCAGCAGCTGCCTGCTGCATCGACCTCCTACTCCTTCCCTGGATGCTGGCCTATGTCTTT
 TATTATCCAGTCTTACACAATGGGCCATCCTCAGCTTCTCGGAGTTCATCAAACAGATGCAGCAGCAGG
 AGCATGACTCCCTGAAGGCCAGCCTGTGTGTCCTGGCCCTGGGGCTGGGCCGCTCTTTTGTGGTGGT
 GCTGGCCGAGCTGATGGCTCACCTGATGTACATGCATGCCATCTACAGCAGCATCCCCCTCTGGAGACT
 GTCTCTTGTGGACCTTAGGAGGACTGGCGTTAGCCAGGTGCTCTTTTCTACGTGAAGTACTTGGTGC
 TCTTTGGCGTGCCTGCTGTCTCATGCGCTGGATGGACTCACTCCACCCGCCCTCCCCGCTGCGTGAG
 CACCATGTTCAAGTTTACCAGGATGTGGAGGATTTTGTGTTGGACTGCATAATTTCTTAATCAGGAT
 GTGTACATTCCAGTGGGCGGGTCCAGCATGGCCTGCTGGGACACTGTTTTCCACGCGCATGACATTTG
 CATTGTGAGCTACTGGCATGGCGGCTACGACTACCTCTGGTGTGGCAGCGCTCAACTGGCTGGGAGT
 CACTGTGAGAAATGGAGTCCGGAGGCTGGTGGAGACTCCCTGCATCCAGGACAGTCTGGCCGATACTTC
 TCCCCACAAGCTCGCCGTCGATTCCACGCTGCCCTTGCTTCTTGTCCACCTCGATGCTGATCCTGTCCA
 ACCTGGTATTTCTGGGGCAATGAGGTTGGGAAAACCTACTGGAATAGGATCTTCATACAAGGCTGGCC
 TTGGGTGACCCTCTGTCTGCTGGGATCCTGTACTGCTACTCCCAGTGGGCATTGCCTGGGCCAGACC
 TACGCCACGGAC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC230171 representing NM_001170587
 Red=Cloning site Green=Tags(s)

MSLGLGSAERGVLTGRGARECRRRRPQGPGEHEEELDQEFELETDTLFGGLKKDATDFEWSFWMWEGKQ
 WLWVLLLGHMVVSQMATLLARKHRPWILMLYGMWACWCVLGTPGVAMVLLHTTISFCVAQFRSOLLTWLC
 SLLLLSTLRLQGVVEVKRRWYKTENEYLLQFTLTVRCLYYTSFSLELCWQQLPAASTSYSFPWMLAYVF
 YYPVLHNGPILSFSEFIKMQQQEHDLSKASLCVLAALGLRLLCWWLAELMAHLMYMHAIYSSIPLET
 VSCWTLGGLALAQVLFYVYKYLVLFGVPALLMRLDGLTPPALPRCVSTMFSTGMWRYFDVGLHNFILIRY
 VYIPVGGSQHGLLGLTFSTAMTFAFVSYWHGGYDYLWCWAALNWLGVTVENGVRRLVETPCIQDSLARYF
 SPQARRRFHAALASCSTSMILSNLVFLGGNEVGKTYWNRIFIQGWVWTLVSLGFLYCYSHVGIWAQY
 YATD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8063_d01.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001170587

ORF Size: 1482 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_001170587.2](#)

RefSeq ORF: 1485 bp

Locus ID: 55733

UniProt ID: [Q5VTY9](#)

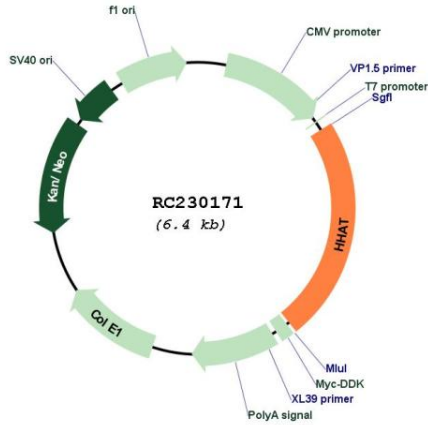
Cytogenetics: 1q32.2

Protein Families: Transmembrane

MW: 57.4 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 RC230171