

Product datasheet for **RG230171**

HHAT (NM_001170587) Human Tagged ORF Clone

Product data:

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



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ORF Nucleotide Sequence:

>RG230171 representing NM_001170587
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGTCGCTGGACTCGGAAGTCCGAAAGAGGGGTGTTGGAACTCGCGCGCGCTGAACGTTGCCGTC
 GCCGCCGCCCGGACAGCCCGGAGAACACGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACAC
 TTTATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGAAGCAG
 TGGCTGGTGTGGCTTCTCCTTGGCCACATGGTAGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGCACA
 GACCTGGATTCTCATGCTCTATGGGATGTGGCCTGCTGGTGTGTGCTGGGGACCCCTGGTGTGGCTAT
 GGTTTTGTCCATACCACCATCTCTTTCTGCGTGGCCAGTTCGGTCTCAGCTCCTGACGTGGCTCTGT
 TCTCTCCTCCTCTCCACACTGAGGTCGAGGGTGTGGAAGAAGTTAAGAGAAGGTGTTACAAGACAG
 AAAACGAGTACTACCTGCTGCAGTTCACGCTGACCGTTCGCTGCCTGTACTACACCAGCTTCAGCCTGGA
 GCTCTGCTGGCAGCAGCTGCCTGCTGCATCGACCTCCTACTCCTTCCCTGGATGCTGGCCTATGTCTTT
 TATTATCCAGTCTTACACAATGGGCCATCCTCAGCTTCTCGGAGTTCATCAAACAGATGCAGCAGCAGG
 AGCATGACTCCCTGAAGCCAGCCTGTGTGTCCTGGCCCTGGGGCTGGGCCGCTTCTTTGCTGGTGGT
 GCTGGCCGAGCTGATGGCTCACCTGATGTACATGCATGCCATCTACAGCAGCATCCCCCTCTGGAGACT
 GTCTCTTGTGGACCTTAGGAGGACTGGCGTTAGCCCAGGTGCTCTTTTCTACGTGAAGTACTTGGTGC
 TCTTTGGCGTGCCTGCTGTCTCATGCGCTGGATGGACTCACTCCACCCGCCCTCCCCGCTGCGTGAG
 CACCATGTTCAAGTTTACCAGGATGTGGAGGATTTTGTGTTGGACTGCATAATTTCTTAATCAGGAT
 GTGTACATCCAGTGGGCGGGTCCAGCATGGCCTGCTGGGACACTGTTTTCCACGCGCATGACATTTG
 CATTTGTGAGTACTGGCATGGCGGCTACGACTACCTCTGGTGTGGCAGCGCTCAACTGGCTGGGAGT
 CACTGTGGAGAATGGAGTCCGGAGGCTGGTGGAGACTCCCTGCATCCAGGACAGTCTGGCCGATCTTC
 TCCCCACAAGCTCGCCGTCGATTCCACGCTGCCCTTGCTTCTTGTCCACCTCGATGCTGATCCTGTCCA
 ACCTGGTATTTCTGGGGCAATGAGGTTGGGAAAACCTACTGGAATAGGATCTTCATACAAGGCTGGCC
 TTGGGTGACCCTCTGTCTGCTGGGATCCTGTACTGCTACTCCCAGTGGGCATTGCCTGGGCCAGACC
 TACGCCACGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG230171 representing NM_001170587
 Red=Cloning site Green=Tags(s)

MSLGLGSAERGVLTGRGARECRRRRPQGPGEHEEELDQEFELTDTLFGGLKDATDFEWSFWMEWGKQ
 WLWVLLLLGHMVVSQMATLLARKHRPWILMLYGMWACWCVLGTGVMVLLHHTTISFCVAQFRSOLLTWLC
 SLLLLSTLRLQGVVEVKRRWYKTENEYLLQFTLTVRCLYYTSFSLELCWQQLPAASTSYSFPWMLAYVF
 YYPVLHNGPILSFSEFIKQMQQEHDLSLKASLCVLAALGLRLLCWWLAELMAHLMYMHAIYSSIPLETT
 VSCWTLGGLALAQVLFYVYKYLVLFGVPALLMRLDGLTPPALPRCVSTMFSTGMWRYFDVGLHNFLIRY
 VYIPVGGSQHGLLGLTFSTAMTFAFVSYWHGGYDYLWCWAALNWLGVTVENGVRRLVETPCIQDSLARYF
 SPQARRRFHAALASCSTSMILSNLVLGGNEVGKTYWNRIFIQGWVWVTLVSLGFLYCYSHVGIWAQTY
 YATD

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

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 Size: 3507 bp

RefSeq ORF: 1485 bp

Locus ID: 55733

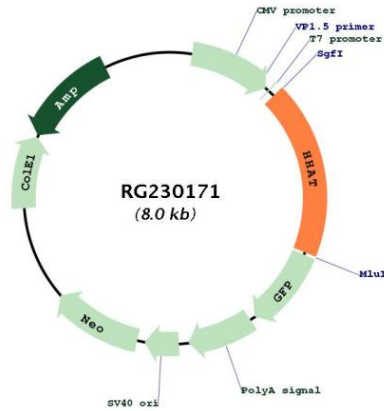
UniProt ID: [Q5VTY9](#)

Cytogenetics: 1q32.2

Protein Families: Transmembrane

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 RG230171