

Product datasheet for **RG229932**

HHAT (NM_001170564) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHAT (NM_001170564) 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:	>RG229932 representing NM_001170564 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCTGCCCGATGGAACTGGCACTTTACCTACTTGCCTCACTAGGCTTCCACTTCTATTCCCTTCTATG
AAGTTTACAAAGTCTCCAGAGAACGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACACTTT
ATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGGAAGCAGTGG
CTGGTGTGGCTTCTCCTTGGCCACATGGTAGTGTCTCAAATGGCCACACTGCTGGCAAGAAAGATGCAGC
AGCAGGAGCATGACTCCCTGAAGGCCAGCTGTGTGCTGCTGGCCCTGGGGCTGGGCCGCTTCTTTGCTG
GTGGTGGCTGGCCGAGCTGATGGCTCACCTGATGTACATGCATGCCATCTACAGCAGCATCCCCCTCCTG
GAGACTGTCTCTTGTGGACCTTAGGAGGACTGGCGTTAGCCAGGTGCTTTTTTCTACGTGAAGTACT
TGGTGCTCTTTGGCGTGCCTGCTCTGCTCATGCGCCTGGATGGACTCACTCCACCCGCCCTCCCCGCTG
CGTGAGACCATGTTTCAGTTTACCCGGGATGTGGAGGTATTTGATGTTGGACTGCATAATTTCTTAATC
AGGTATGTGTACATTCAGTGGCGGGTCCCAGCATGGCTGCTGGGGACACTGTTTTCCACGGCGATGA
CATTTGCATTTGTGAGCTACTGGCATGGCGCTACGACTACCTCTGGTGTGGCAGCGCTCAACTGGCT
GGGAGTCACTGTGGAGAATGGAGTCCGGAGGCTGGTGGAGACTCCCTGCATCCAGGACAGTCTGGCCCGA
TACTTCCCCACAAGCTCGCCGTCGATTCCACGCTGCCCTTGTCTTTGTTCCACCTCGATGCTGATCC
TGTTCAACCTGGTATTTCTTGGGGCAATGAGGTTGGGAAAACCTACTGGAATAGGATCTTCATACAAGG
CTGGCCTTGGGTGACCCTCTCTGTCTGGATTCTGTACTGCTACTCCACGTGGGCATTGCCTGGGCC
CAGACCTACGCCAGGAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG229932 representing NM_001170564
 Red=Cloning site Green=Tags(s)

MLPRWELALYLLASLGFHFYSFYEVYKVSREHEEELDQEFELDTLFGGLKKDATDFEWSFWMWGWKQW
 LVWLLGHMVVSQMATLLARKMQQEHDLSLKASLCVLAALGLRLLCWWLAEMLAHLMYMHAIYSSIPLL
 ETVSCWTLGGLALAQVLFYVYKYLVLFGVPALLMRLDGLTPPALPRCVSTMFSTGMWRYFDVGLHNFLI
 RYVYIPVGGSQHGLLGTLFSTAMTFAFVSYWHGGYDYLWCWAALNWLGVTVENGVRRLVETPCIQDSLAR
 YFSPQARRRFHAALASCSTSMILISNLVFLGGNEVGKTYWNRIFIQGWPVVTLVSLGFLYCYSHVGIAWA
 QTYATD

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001170564

ORF Size: 1068 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_001170564.2](#), [NP_001164035.1](#)

RefSeq Size: 3164 bp

RefSeq ORF: 1071 bp

Locus ID: 55733

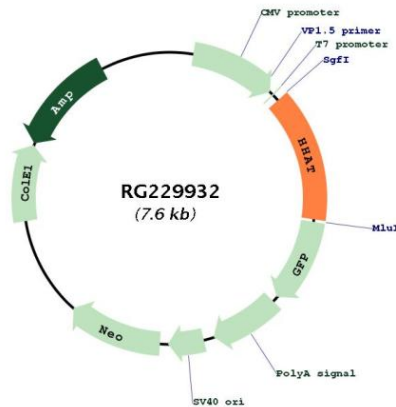
UniProt ID: [Q5VTY9](#)

Cytogenetics: 1q32.2

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 RG229932