

Product datasheet for **SC328808**

HHAT (NM_001170580) Human Untagged Clone

Product data:

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|---------------------------|--|
| Product Type: | Expression Plasmids |
| Product Name: | HHAT (NM_001170580) Human Untagged Clone |
| Tag: | Tag Free |
| 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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Fully Sequenced ORF: >SC328808 representing NM_001170580.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGCTGCCCCGATGGGAAGTGGCACTTTACCTACTTGCCTCACTAGGCTTCCACTTCTATTCCTTCTAT
GAAGTTTACAAAGTCTCCAGAGAACACGAAGAGGAGCTGGACCAGGAATTTGAGCTGGAGACTGACT
TTATTTGGAGGATTAAGAAGGATGCGACCGACTTTGAGTGGAGCTTCTGGATGGAATGGGGAAGCAG
TGGCTGGTGTGGCTTCTCCTTGGCCACATGGTAGTGTCTCAAATGGCCACACTGTGGCAAGAAAGCAC
AGACCCTGGATTCTCATGCTCTATGGGATGTGGCCTGTGGTGTGTGCTGGGGACCCCTGGTGTGGCT
ATGGTTTTGCTCCATACCACCATCTCTTTCTGCGTGGCCAGTTCGGTCTCAGCTCCTGACGTGGCTC
TGTTCTCTCCTCCTCTCCACACTGAGGCTGCAGGGTGTGGAAGAAGTTAAGAGAAGGTGGTACAAG
ACAGAAAACGAGTACTACCTGCTGCAGTTCACGCTGACCGTTCGCTGCCTGTACTACACCAGCTCAGC
CTGGAGCTCTGCTGGCAGCAGCTGCCTGCTGCATCGACCTCCTACTCCTTCCCTGGATGCTGGCCTAT
GTCTTTTATTATCCAGTCTTACACAATGGGCCATCCTCAGCTTCTCGGAGTTCATCAAACAGATGCAG
CAGCAGGAGCATGACTCCCTGAAGGCCAGCCTGTGTGCTCCTGGCCCTGGGGCTGGGCCGCCTTCTTTC
TGGTGGTGGCTGGCCGAGCTGATGGCTCACCTGATGTACATGCATGCCATCTACAGCAGCATCCCCCTC
CTGGAGACTGTCTCTTGTGGACCTTAGGAGGACTGGCGTTAGCCAGGTGCTCTTTTTCTACGTGAAG
TACTTGGTGTCTTTGGCGTGCCTGCTCTGCTCATGCGCCTGGATGGACTCACTCCACCCGCCCTCCCC
CGCTGCGTGAGCACCATGTTTCAAGTTTACCAGGATGTGGAGGTATTTTGTGTTGGACTGCATAATTTT
TTAATCAGGTATGTGTACATTCCAGTGGCGGGTCCCAGCATGGCCTGCTGGGGACACTGTTTTCCAGC
GCGATGACATTTGCATTTGTGAGTACTGGCATGGCGGCTACGACTACCTCTGGTGTGGCAGCGCTC
AAGTGGCTGGGAGTCACTGTGGAGAATGGAGTCCGGAGGCTGGTGGAGACTCCCTGCATCCAGGACAGT
CTGGCCCGATACTTCTCCCAAGCTCGCCGTGATTCCACGCTGCCCTTGCTTCTTGTCCACCTCG
ATGCTGATCCTGTCCAACCTGGTATTTCTTGGGGCAATGAGGTTGGGAAAACCTACTGGAATAGGATC
TTCATACAAGGCTGGCCTTGGGTGACCCTCTCTGTCTGGGATTCTGTACTGCTACTCCACGTTGGG
ATTGCCTGGGCCAGACCTACGCCACGGACTAA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
  
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Restriction Sites: SgfI-MluI

ACCN: NM_001170580

Insert Size: 1482 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001170580.2](#)

RefSeq Size: 3630 bp

RefSeq ORF: 1482 bp

Locus ID: 55733

UniProt ID: [Q5VTY9](#)

Cytogenetics: 1q32.2

Protein Families: Transmembrane

MW: 57.3 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]

Transcript Variant: This variant (6) differs in the 5' UTR compared to variant 1. Variants 1, 2 and 6 encode the same isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.