

Product datasheet for **RG205433**

HHATL (NM_020707) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	HHATL
Synonyms:	C3orf3; GUP1; MBOAT3; MSTP002; OACT3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



ORF Nucleotide Sequence: >RG205433 representing NM_020707
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGGCATCAAGACAGCATTGCCGGCGGCTGAGCTGGGCCTCTACTCTCTGGTCTGAGTGGGGCCCTGG
 CCTATGCTGGCCGGGGCTCCTTGAGGCTTCACAAGATGGGGCCACAGGAAGGCCTCCGGGAGTCTGT
 GCGACCTGGCTGGGAGTACATTGGCCGGAAGATGGATGTGGCTGACTTCGAGTGGGTGATGTGGTTCACC
 TCCTTTTCGCAACGTCATCATCTTTGCCCTCTCCGGACATGTGCTGTTTGCTAACTCTGCACGATGGTTG
 CCCCAGCTCCGCTCCTGGATGTATGCTGTGTACGGGGCTTGGCTGTGATGGGCACAATGGGCCCTTG
 GTACCTGCTGCTGCTGCTTGGTCACTGTGTGGGCCTCTATGTGGCCTCGCTTTTGGGCCAGCCCTGGCTC
 TGTCTTGGCCTTGGCTTGGCCAGCCTGGCCTCCTTCAAGATGGACCCCTAATCTCTTGGCAGAGCGGT
 TTGTAACAGGCACCTTTGATCTTCAAGAGGTGCTGTTTCATGGGGCAGCAGCTTCACAGTCTGCGTTG
 CGCCAGCTTTGACTGGAGAGCTGTGCCACCCTGACCGCCACTACTCCTTAGCTGACCTGCTCAAGTAC
 AACTTCTACCTGCCCTTCTTCTTCTCGGGCCAATCATGACCTTTGATCGCTTCCATGCTCAGGTGAGCC
 AGGTGGAGCCAGTGAGACGCGAGGGTGAGCTGTGGCACATCCGAGCCAGGCAGGCCTAAGCGTGGTGGC
 CATCATGGCCGTCGACATCTTCTTTCACTTCTTCTACATCCTCACTATCCCCAGCGACCTCAAGTTCGCC
 AACCGCTCCCAGACAGTGCCCTCGCTGGCCTAGCCTATTCAAACCTGGTGTATGACTGGGTGAAGGCGG
 CCGTCTCTTTGGTGTGTCAACACTGTGGCATGCCTCGACCACCTGGACCCACCCAGCCTCCCAAGTG
 CATCACCGCACTCTACGCTTTTACGAAACGCACTTTGACCGTGGCATCAACGACTGGCTTTGCAAAATAT
 GTGTATAACCACATTGGTGGGAGCATTCCGCTGTGATCCCAGAGCTGGCAGCCACAGTGGCCACATTTG
 CCATCACCACTGTGGCTTGGGCCTTGTGACATTGTCTACCTGTGGTCATTCTTAAGTCTTTGGCCT
 CAATTTGAGCTCTGGATGCAAAAAGTGGCAGAGTGGGGGCCCTAGCACGAATTGAGGCCTCTCTGTCA
 GTGCAGATGTCCCGTAGGGTCCGGGCCCTGTTTGGAGCCATGAACCTCTGGGCCATCATCATGTACAACC
 TTGTGAGCCTGAACAGCCTCAAATTCACAGAGCTGGTTGCCCGGCCCTGCTACTCACAGGGTTTCCCA
 GACCAGCTGTCCATCTGTTTGTACCTACTGTGGCGTCCAGCTGTTAAAGGAGCGTGAGCGAACCTTG
 GCATGGAGGAGGAGCAGAAGCAGGACAAAGAGAAGCCGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTAA

Protein Sequence: >RG205433 representing NM_020707
 Red=Cloning site Green=Tags(s)

MGIKTALPAAELGLYSLVLSGALAYAGRGLLEASQDGAHRKAFRESVRPGWEYIGRKMDVADFEWVMWFT
 SFRNVIIFALSGHVLFAKLCTMVAPKLRSMYAVYGALAVMGTMGPWYLLLLLGHCVGLYVASLLGQPWL
 CLGLGLASLASFKMDPLISWQSGFVTGTFDLQEVLFHGGSSFTVLRCAFALESCAHPDRHYSADLLKY
 NFYLPFFFFGPIMTFDRFHAQVSQVEPVRREGELWHIRAQAGLSVVAIMAVDIFHHFFIYLTIPSDLKFA
 NRLPDSALAGLAYSNLYVDWVKAAVLFGVVNTVACLHDLPQPPKCITALYVFTETHFDRGINDWLCKY
 VYNHIGGEHSAVIPELAATVATFAITTLWLGPCDIVYLWSFLNCFGLNFELWMQKLAEWGPLARIEASLS
 VQMSRRVRALFGAMNFWAIIIMYNLVSLSLKFTELVARLLLLTGFPQTLSILFVTYCGVQLVKERERTL
 ALEEEQKQDKEKPE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_020707

ORF Size: 1512 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.

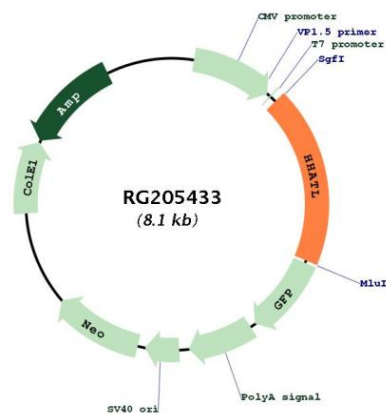
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_020707.2](#), [NP_065758.2](#)

RefSeq Size: 1789 bp

RefSeq ORF:	1515 bp
Locus ID:	57467
UniProt ID:	Q9HCP6
Cytogenetics:	3p22.1
Protein Families:	Transmembrane
Gene Summary:	Negatively regulates N-terminal palmitoylation of SHH by HHAT/SKN.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG205433