

Product datasheet for **SC127464**

HIAT1 (MFSD14A) (NM_033055) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIAT1 (MFSD14A) (NM_033055) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIAT1
Synonyms:	HIAT1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_033055, the custom clone sequence may differ by one or more nucleotides

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ATGACCCAGGGGAAGAAGAAGAAACGGGCCGGAACCGCAGTATCATGCTGGCCAAGAAGATCATCATT
AGGACGGAGGCACGCCTCAAGGAATAGTTCTCCTAGTGTCTATCATGCAGTTATCGTCATCTTTTTGGA
GTTTTTCTGGGGACTATTGACAGCACCCACCTTGGTGGTATTACATGAAACCTTTCCTAAACATACA
TTTCTGATGAACGGCTTAATTCAAGGAGTAAAGGGTTTGTGTCATTCTTAGTGCCCGCTTATTGGTG
CTCTTCTGATGTTGGGGCCGAAATCCTTCTGCTGCTAACGGTGTTCACATGTGCCCAATTCC
TTAATGAAGATCAGCCATGGTGGTACTTTGCTGTTATCTCTGTTTCTGGGTTTTTGCAGTGACTTTT
TCTGTGGTATTTGCATACGTAGCAGATATAACCCAAGAGCATGAAAGAAGTATGGCTTATGGACTGGTTT
CAGCAACATTTGCTGCAAGTTTAGTCACCAAGTCCGCAATTGGAGCTTATCTGGACGAGTATATGGGGA
CAGCTTGGTGGTGGTCTTAGCTACAGCAATAGCTTTGCTAGATATTTGTTTTATCCTTGGTGTGCCA
GAGTCGTTGCCTGAGAAAATGCGGCCAGCATCCTGGGGAGCACCCATTTCTGGGAACAAGCTGACCCTT
TTGCGTCTTAAAAAAGTCGGCCAAGATTCCATAGTGTCTGATCTGCATTACAGTGTCTCTCCTA
CCTACCGGAGGCAGGCCAATATCCAGCTTTTTTTTATACCTCAGACAGATAATGAAATTTCCACAGAA
AGTGTTCAGCGTTTATAGCAGTCTTGGCATTCTTCCATTATGCACAGACCATAGTCTTGAGTTTAC
TTATGAGGTCAATTGAAATAAGAACACCATTTACTGGGTCTAGGATTTCAAATATTACAGTTGGCATG
GTATGGCTTTGGTTCAGAACCTTGGATGATGTGGGCTGCTGGGGCAGTAGCAGCCATGCTAGCATCACC
TTTCTGCTGTCAGTGCCTTGTTCACGAAGTCTGATGCTGATCAACAGGGTGTGTTCAAGGAATGA
TAACAGGAATTCGAGGATTATGCAATGGTCTGGGACCGGCCCTCTATGGATTCATTTTCTACATATTCCA
TGTGGAACCTAAAGAAGTCCAATAACAGGAACAGACTTGGGAACAAACAAGCCCTCAGCACCCTTT
GAACAGAATTCATCATCCCTGGCCCTCCCTTCTATTTGGAGCCTGTTCCAGTACTGCTGGCTGCTGTTG
TTGCCCTGTTTATCCGGAACATACCAATTTAAGCTTAAGGTCCAGCAGTTGGAGAAAGCACTGTGGCAG
TCACAGCCATCCTCATAATACACAAGCGCCAGGAGAGGCCAAAGAACCTTACTCCAGGACACAAATGTG
TGA

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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_033055 unedited
 AGAATTTTGTAAACGACTCACTATAGGGCGGCCGCAATTCGGCACGAGGNAATGACC
 CAGGGGNAAGAAGAAGAAACGGGCCGCAACCCGAGTATCATGCTGGCCAAGAAGATCAT
 CATTAAGGACGGAGGCACGCCTCAAGGAATAGGTTCTCCTAGTGTCTATCATGCAGTTAT
 CGTCATCTTTTGGAGTTTTTGGCTTGGGGACTATTGACAGCACCCACCTTGGTGGTATT
 ACATGAAACCTTTCTAAACATACATTTCTGATGAACGGCTTAATTCAAGGAGTAAAGGG
 TTTGTTGTCATTCTTAGTGCCCGCTTATTGGTGTCTTTCTGATGTTTGGGGCCGAAA
 ATCCTTTGCTGCTAACGGTGTTTTTACATGTGCCCAATTCCTTTAATGAAGATCAG
 CCCATGGTGGTACTTTGCTGTTATCTCTGTTTCTGGGGTTTTTGCAGTACTTTTTCTGT
 GGTATTTGCATACGTAGCAGATATAACCCAAGAGCATGAAAGAAGTATGGCTTATGGACT
 GGTTCAGCAACATTTGCTGCAAGTTTAGTCACCAGTCTGCAATTGGAGCTTATCTTGG
 ACGAGTATATGGGACAGCTTGGTGGTGGTCTTAGCTACAGCAATAGCTTTGCTAGATAT
 TTGTTTTATCCTTGTGTGTGCCAGAGTCGTTGCCTGAGAAAATGCGGCCAGCATCCTG
 GGGAGCACCCATTTCTGGGAACAAGCTGACCCTTTTGGCTCCTAAAAAAAAGTCGCCA
 AGATTCATAGTGTGCTGATCTGCATTACAGTGTCTCTCCTACCTACCGGNAGCANG
 CCAATATCCAGCTTTTTTTTATACCTCAGACAGATNNATGAATTTTACCAGAAAAGTGT
 CGCAGCGTTT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_033055 unedited
 AACTGCCGNNAGGGGTACAGGGCATGCCACCCGGTCTGTTTCAGGAAACAGCTATGA
 CCGCGGCCCACTAGAGTCGAGTTTTTTTTTTTTTTTTTTTTCATTAAAAATTTAACTT
 TATTAACAGAATATTTACATTTCTTTAAGACCTATTTAACCATAGTGAGTGTCCAAG
 TTTATATAGCATTAAAGCAATAACCACACACAAGATGAAAACAGTGAAACTATACAGTTC
 TTTATATACAATTTTACAAAGTAACACTTTTTTAAATAATATAACTGGACACAAAAATA
 TACACTTTAGAGAAATTCACATCGTAATTGTATAAAGCTCTCCTTAGGGTCTGAAAA
 TTTAGGACAAACATTAGCTCTGTAAATAAAGTGTACTGTGACAGTCTGAAAGGCCACT
 ATATATATTTATCTACATAATAGATATCACACTGACATTTTCAAGGCTACCAGCTTTACT
 ATATAATTTTATAGATTATGTATTCAAGTGTGAGGTGCTTATGATTATGCAAACATTA
 AGAATAGTGGTATAAGAAGTAGCTGGGAATAAATTTGAGCCAGCATTAGATTACAGGC
 TCTAAATACCCCAACTTAAAGGCTAAATGGCTGATACTTTTCTCCTTCAAAAACAGGGGT
 GAAAATTGGTTAAAGTCCGGGAAAACAGCCAAAACCTGGTCAATTTTGGCCGTTTTTCT
 AAGTTTTTTTTTTTTTAAAGGCGAACATTTTTTCCCTTTTTTTTTTTTTTAGGGCCCGGGT
 TAAGGGTTTTTTTTTTTTGCCCCCGTTTTTCAATTTTAAACCGGGCCCAAATTTTTCA
 GGGGAAAAAAAAGGGGCGCCCCACCCTCCCTGCTTGGTG

Restriction Sites:

NotI-NotI

ACCN:

NM_033055

Insert Size:

2500 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_033055.2](#), [NP_149044.2](#)

RefSeq Size: 2664 bp

RefSeq ORF: 1473 bp

Locus ID: 64645

UniProt ID: [Q96MC6](#)

Cytogenetics: 1p21.2

Protein Families: Transmembrane