

Product datasheet for **SC124775**

HLTF (NM_003071) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HLTF (NM_003071) Human Untagged Clone
Tag:	Tag Free
Symbol:	HLTF
Synonyms:	HIP116; HIP116A; HLTF1; RNF80; SMARCA3; SNF2L3; ZBU1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_003071, the custom clone sequence may differ by one or more nucleotides

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ATGTCCTGGATGTTCAAGAGGGATCCAGTTTGAAGTACTTGCAGACTGTCCAGTATGGAGTTCATGGAA
ATTTTCCACGCCCTCATATCCAACCTTTCTTCCACGTTTTGAATCCAAGATGTTATCCCTCCAGATGA
CTTTCTAACTAGTGATGAAGAAGTAGATCCGTTTTATTGGAAGTTTGAGAGGTCATGTGGTTGGACTA
CGCTATTACACGGGAGTAGTTAATAATAATGAAATGGTTGCATTACAACGAGATCCTAATAACCCTTATG
ATAAGAATGCAATTAAGTAAACAATGTGAATGGAAATCAAGTTGGCCATTTAAAGAAAGAGCTTGCAGG
TGCTTTGGCCTATATCATGGACAACAAATTGGCACAAATTGAAGGGGTAGTTCCTTTTGGTGCAAAACAAT
GCTTTTACCATGCCTCTGCATATGACTTTTTGGGAAAAGAAGAAAATAGAAAAGCGTTTCAGATCAGT
TGAAGAAACATGGATTTAAATTGGGTCTGCACCAAAAACCTTAGGATTCATTTGGAAAGTGGTTGGGG
CTCTGGAAGAGCTGGACCAAGCTATAGTATGCCAGTGCATGCTGCAGTACAGATGACAACGAACAGCTT
AAAACAGAATTTGACAAATGTTTGAAGATTTAAAAGAAGATGATAAAACCCATGAAATGGAACAGCTG
AGGCTATTGAAACACCACTGCTCCACATCAAAAACAAGCTCTAGCTTGGATGGTGTACGGGAAAATAG
CAAAGAATCTCCACCATTCTGGGAACAGCGAAATGACTTATACTATAACACAATAACAAATTTTTCTGAG
AAGGACCGACCAGAAAATGTCCATGGAGGAATTTAGCTGATGATATGGGTTTGGGTAACCTTACCG
CCATTGCAGTAATCCTTACCAACTTCCATGATGGCAGACCTTTCCTATTGAAAGAGTAAAAAGAATCT
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GATGGACTAAGCAAAGACGCATCTAGATGTAGTGAACAACCCAGTATTTCCAGATATCAAGGAGAAGAGTA
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GAAAACCTGATGTTGAGGAGAGACCAAGAACAACACTGATCATCTGTCGGCTTTCTGTGTTAAGCAACTGG
ATTGACCAGTTTGGACAACATATAAAATCAGATGTACACTTGAATTTTTATGTTTATTATGGTCCTGATC
GTATTAGAGAACCGCCTTACTTTCAAACAGGATATTGTTTTGACTACGTATAATATTTAACTCATGA
CTATGGAACAAAGGAGATAGTCCATTACATAGCATAAGGTGGCTAAGAGTATCCTGGATGAAGGACAT
GCCATACGAAATCCAAATGCTCAGCAGACAAAAGCTGACTTACTTGAATCAGAAAGAAGATGGGTTT
TGACAGGTAACCAATCCAGAATCTTTAAAGGACTTGTGGTCTCTTCTTTCTTTTAAACTTAAACC
ATTTATTGATAGAGAATGGTGGCATAGAACAAACAGCGTCTGTCACAATGGGAGATGAAGGAGGACTT
AGGCGTTTACAGTCCCTAATTAATAATATTACACTTAGAAGAACAAGACAAGCAAAATTAAGGAAAAC
CTGTTTTGGAGTTACCAGAACGTAAGTATTTATTCAGCACATTACACTTTCAGATGAAGAGAGAAAAGAT
TTATCAGTCTGTGAAAAATGAAGGCAGAGCCACTATTGGAAGGTATTTAATGAAGGGACTGTCTGGCA
CATTATGCAGATGTCTGGGTCTTTTGCTTAGACTGCGGCAAAATTTGTTGCCATACTTACCTTCTACAA
ATGCAGTGTCTTCCAATGGCCCCCAGGAAATGATACACCTGAAGAACTGAGAAAGAAGTTAATAAGGAA
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GTGATAACACATTTGTGCACATGTATTTGTAACCCTGTATTTGCCAAGTCATTCAGAATGAGCAGCCAC
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TGTCTTTAATAGAAATACCACTTAAAGCCTCTGGATTTGTGTTTACTCGTTTGGATGTTTCCATGGCCCA
AAAGAAAAGAGTTGAATCAATTCAGTGTTTTCAAACACTGAAGCAGGATCTCCAATAATGCTTCTG
TCCTTAAAGCAGGTGGAGTTGGTTTGAATCTGTCTGCAGCTTCTCGAGTGTTTTAAATGGATCCAGCCT
GGAATCCTGCTGCTGAAGATCAGTGCTTTGACAGATGCCATAGACTTGGTCAAGCAAGAAGTTATCAT
CACAAAATTCATTGTAAGGACTCTGTTGAAGAAAATATGCTGAAAATACAAAACAAAAAGAGAGAATCT
GCAGCAGGAGCCTTTGGAACAAAAACCAATGCTGACGAAATGAAACAAGCCAAAATTAATGAAATCA
GAACATTAATTGACTTATAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_003071 unedited</p> <p>TCAACATATTTGTATCACGACTCACTATAGGCGGCCCGCAATTCGCACGAGGCGGCGAC TTACCTTTTCAGTCGTGCGCTCCTGATCCGGCGCTCGGAATTTGTCGCCGCTTCAGGGCT GCGGGGCTGGAAGGAGGCGTATCGAGGCGGCTCGAAAACGATCCAGGGGAGCCGAGGCG CTCCTCTGTGCATCCCCTCANCGCCATGTCCTGTATGTTCAAGAGGGATCCAGTTTGA AGTACTTGCAGACTGTCCAGTATGGAGTTCATGAAAATTTCCACGCCTCTCATATCCAA CTTTCTTCCACGTTTTGAATTCGAAGTATTATCCCTCCAGATGACTTTCTAACTAGTG ATGAAGAAGTAGATTCCGTTTTATTTGGAAGTTTGAGAGGTCATGTGGTTGGACTACGCT ATTACACGGGAGTAGTTAATAAATGAATGGTTGCATTACAACGAGATCCTAATAACC CTTATGATAAGAATGCAATTAAGTAAACAATGTGAATGGAAATCAAGTTGGCCATTTAA AGAAAGAGCTTGCAGGTGCTTTGGCCTATATCATGGACAACAATGGCACAAATGAAG GGGTAGTTCCTTTGGTGCANACAATGCTTTACCATGCCTCTGCATATGACCTTTGGG GAAAAGAAGTAAATAGAAAAGCGGTCTCAGATCAGCTGAAGAAACATGGATTTAATTGGG TCCTGCACAAAACCTTTAGATTCCATTTGCAAAGGGTTGGGCTCTTGAAAACTGAACC AACTATAGTATGCCAGGCATGCTGCATTACACATGACAACTGAACCAGTTAATACAGAAT TTGCACAATTTGTTTGAATTTTAAAGTAGCAGTTTAAACCTCAGNAAATGGACCAGCTG AGGCTATTTAAAACCCCTCGTTTCACATTCATAACAACCCCTTACTTGGTTGCGGTCACC GAAAATACAAAACCTT</p>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_003071 unedited</p> <p>GAAATACTATGTACGCGCCGCTTTTAGNATCGAGTTTTTTTTTTTTTTTTTTTTTAAAC ATTTGAAATTTTTATTGATTTTTAAATTTAAAATCCAGTTTAAACCACAAAATTGTTTGA ATCACAAGTGGTAATACAATGTCTTCAATATTTTTCTAAAGTTATTTTTCTATATAATAA TAAGACAACAGCATAGCATATAGGAAGTTTCATTCCAGTGGCTTTTTATATATTTATC CTTCTTAGGAAGGACAAATTAATTTTTAAATTAACCTTTTAAATATAACAACATCTA ACAGAAGTGTACAAAACAAGAGACATTTTTTAAACAACCTTGCCAACTTACTTATGAGT GTGTTTTAAAACAACCTTTGTAATGTCTGGGCAAAGAAGCAAGCTGTCTCCCTTTACC TTCATAGTGAGTTTGAAGGCTTTGTCTTTGTAAGCAGAAAGAGTAGACTGTGTTGTTTT TTGCCAAAACCTGTTTATACTTAATCTCACTGAAGTATTGCTATATGGAGAACCATACT CTGATCAACTTGATTTTTGTGTGTAATGCTTGATCTACCAGTAACTTCCCAACTGCTC CTAATGTAGCGGGCTAATCCCACATTATTATCCACTATCATCCCTGCAGAAAGGCTCTT GGTTTTGATGAAAATCAGCCCTTTCCTTACCTGCTACTGGCTCAAAAAGGACCAGGAAG AATCTAGCTGGCTAATCACTGTTCCTTTGAGCAAGAAACGGCACAGGGAGAAAAGAC TTATCTGGTGAGAGATTTGGCATATACCTTCCATGTGTGCCCTATAACACAACATGTCTC CGATCTCATCTTCTATCCAATGACTTNCACACTCCTAAATCTCAGGATTCTTAAATCT GGTCATC</p>
Restriction Sites:	NotI-NotI
ACCN:	NM_003071
Insert Size:	5500 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).
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:	<ol style="list-style-type: none">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_003071.2 , NP_003062.2
RefSeq Size:	5351 bp
RefSeq ORF:	3030 bp
Locus ID:	6596
UniProt ID:	Q14527
Cytogenetics:	3q24
Domains:	SNF2_N, DEAD, helicase_C, RING
Protein Families:	Druggable Genome, Transcription Factors
Gene Summary:	<p>This gene encodes a member of the SWI/SNF family. Members of this family have helicase and ATPase activities and are thought to regulate transcription of certain genes by altering the chromatin structure around those genes. The encoded protein contains a RING finger DNA binding motif. Two transcript variants encoding the same protein have been found for this gene. However, use of an alternative translation start site produces an isoform that is truncated at the N-terminus compared to the full-length protein. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longer transcript. Variants 1, 2 and 3 encode the same isoform (1).</p>