

Product datasheet for **SC114650**

SAMHD1 (NM_015474) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SAMHD1 (NM_015474) Human Untagged Clone
Tag:	Tag Free
Symbol:	SAMHD1
Synonyms:	CHBL2; DCIP; HDDC1; hSAMHD1; MOP-5; SBBI88
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC114650 sequence for NM_015474 edited (data generated by NextGen Sequencing)

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ATGCAGCGAGCCGATTCCGAGCAGCCCTCCAAGCGTCCCCGTTGCGATGACAGCCCGAGA
ACCCCCTCAAACACCCCTTCCGCAGAGGCAGACTGGTCCCCGGGCTGGAATCCATCCC
GACTACAAGACATGGGGTCCGGAGCAGGTGTGCTCCTTCTCAGGCGCGTGGCTTTGAA
GAGCCGGTGTGCTGAAGAACATCCGAGAAAATGAAATCACAGGGCATTACTGCCTTGT
CTTGATGAGTCTCGTTTTGAAAATCTTGGAGTAAGTTCCCTGGGGGAGAGGAAGAAGCTG
CTTAGTTATATCCAGCGATTGGTTCAAATCCACGTTGATACAATGAAGTAATTAATGAT
CCTATCCATGGCCACATTGAGCTCCACCCTCTCCTCGTCCGAATCATTGATACACCTCAA
TTTCAACGCTTTCGATACATCAAACAGCTGGGAGGTGGTTACTATGTTTTTCCAGGAGCT
TCACACAATCGATTTGAGCATAGTCTAGGGGTGGGGTATCTAGCAGGATGTCTAGTTCAC
GCACTGGGTGAAAAACAACCAGAGCTGCAGATAAGTGAACGAGATGTTCTCTGTGTTGAG
ATTGCTGGACTTTGTCATGATCTCGGTCATGGGCCATTTTCTCACATGTTTGATGGACGA
TTTATTCCACTTGCTCGCCCGAGGTGAAATGGACGCATGAACAAGGCTCAGTTATGATG
TTTGAGCACCTTATTAATTCTAATGGAATTAAGCCTGTGATGGAACAATATGGTCTCATC
CCTGAAGAAGATATTTGCTTTATAAAGGAACAAATTTGATAGGACCACTTGAATCACCTGTC
GAAGATTCATTGTGGCCATATAAAGGGCGTCTGAAAACAAAAGCTTCTTTATGAGATA
GTATCTAATAAAGAAATGGCATTGATGTGGACAAATGGGATTATTTTCCAGGGACTGC
CATCATCTTGGAAATCCAAAATAATTTTGATTACAAGCGCTTTATTAAGTTGGCCGTGTC
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GACATGTTCCACACTCGCAACTCTTTACACCGTAGAGCTTATCAACACAAAGTTGGCAAC
ATTATTGATACAATGATTACAGATGCTTTCCTCAAAGCAGATGACTACATAGAGATTACA
GGTGTGGAGGAAAAAGTATCGCATTCTACAGCAATTGACGACATGGAAGCCTATACT
AAGCTGACAGATAACATTTTTCTGGAGATTTTACTCTACTGATCCCAAATTGAAAGAC
GCACGAGAGATTTTAAAACAAATGAATACCGTAATCTATTCAAGTATGTGGGTGAGACG
CAGCCAACAGGACAAATAAAGATTTAAAGGGAGGACTATGAATCTTCCAAAAGAGGTT
GCCAGTGCTAAACCCAAAGTATTGCTAGACGTGAAACTGAAGGCTGAAGATTTTATAGTG
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TATTGTAAGACTGCCCAACAGAGCAATCAGGATTACTAAAAACCAGGTTTCACAACTT
CTGCCAGAGAAAATTTGCAGAGCAGCTGATTCGAGTATATTGTAAGAAGGTGGACAGAAAAG
AGTTTGTATGCCGCAAGACAATATTTTGTTCAGTGGTGTGCAGACAGAAATTTACCAAG
CCGAGGATGGCGATGTTATAGCCCACTCATAACACCTCAAAAAAGGAATGGAACGAC
AGTACTTCAGTCCAAAATCCAACCTCGCCTCCGAGAAGCATCCAAAAGCAGAGTCCAGCTT
TTAAAGATGACCCAATGTGA

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Clone variation with respect to NM_015474.3

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_015474 unedited
 GGGTGGTCAGCATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACCAGGGGCC
 TGCTGTCAAGTGCCTGCGCGGGTCCGGCGCCGAGGTTCTTACTGCTGTGCCGGACG
 CCAGGTGTAGCCATGCAGCGAGCCGATCCGAGCAGCCCTCCAAGCGTCCCCGTTGCGAT
 GACAGCCCAGAAACCCCTCAAACACCCCTCCGAGAGGCAGACTGGTCCCCGGGCCTG
 GAACTCCATCCCAGACTACAAGACATGGGGTCCGGAGCAGGTGTGCTCCTTCTCAGGCGC
 GGTGGCTTTGAAGAGCCGGTGTGCTGAAGAACATCCGAGAAAAATGAAATCACAGGCGCA
 TTAAGTGCCTTGTCTTGTGAGTCTCGTTTTGAAAATCTTGAGTAAGTTCCTTGGGGGAG
 AGGAAGAAGTGTAGTTATATCCAGCGATTGGTTCAAATCCACGTTGATACAATGAAG
 GTAATTAATGATCCTATCCATGGCCACATTGAGCTCCACCCTCTCCTCGTCCGAATCATT
 GATACACCTCAATTTCAACGTCTTCGATACATCAAACAGCTGGGAGGTGGTTACTATGTT
 TTTCCAGGAGCTTACACAATCGATTTGAGCATAGTCTAGGGGTGGGTATCTAGCAGGA
 TGTCTAGTTCACGCACTGGGTGAAAAACAACCAGAGCTGCAGATAAGTGAACGAGATGTT
 CTCTGTGTTGAGATTGCTGGACTTTGTCATGATCTCGGTCATGGGCCATTTTCTCACATG
 TTTGATGGACGATTTATCCACTTGTGCTCGCCCGNAGGTGAAATGGACGCATGAACAAGG
 CTCAGTTATGATGTTTGGACACCTTATTAATTCTATGGGATNAGCCTGTCATGGACN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_015474 unedited
 NANGATCGAGTTTTTTTTTTTTTTTTTTGAAGGAGAAAGCTTTAATAATATTTAAAAATAG
 CAAGGTAATGCTTTTCATAGTATAGTAAGATTTGCCTAATACCATCTTATTTCTTTGATT
 AAAAGTACTTAGCTTACAGCATGCGTGTACATTTAAAATACAAAATTAAGCATGAGTTG
 TCATTAATTTGCAGAATTCTATGATTGAAGCCTCTAAATGAATTGTGCAGGAGAGGGAGT
 TTGTAACAACACTGACTACAGACATTCACATTGGGTCATCTTTAAAAAGCTGGACTCTGCT
 TTTGGATGCTTCTCGGAGGCGAGTTGGATTTTGGACTGAAGTACTGTCGTTCCATTCCCT
 TTTTTGAGGTGTTATGAGTGGGGCTATAACATCGCCATCTGCGGCTTGGTGAATTTCT
 GTCTGCCACCCTGAACAAAATATTGTCTTGGCGCATACAACTCTTTCTGTCCACCTT
 CTTACAATATACTCGAATCAACTGCTCTGCAAATTTTTCTGGCAGAAATGTGAAACCCG
 GGTTTTAATAAATCCTGATTGCTCTGTTGGGGCAATCTTACCATAGAAGCTAACATGGT
 CAAATGGATTCTTTCTTGGTTTCCTAAATCCTGGTGGGAACTCCACTATAAAATCTTC
 AGCCTTCAGGTTTAACTTTTAGCAATACTTTGGGTTTAAACCCTGGGCACCCTTTTTGGG
 AAAAAATAATAAGCGCCCTTTTAAAACCTTATTTGGCCGGGGGGGGGGGGTAAACC
 CAATACTTGATAAATTACCGGTTTCAAATTTGGTTTAAAAACCTCCCGGTGCGGCTT
 TCAATATGGGTCCACA

Restriction Sites:

NotI-NotI

ACCN:

NM_015474

Insert Size:

2300 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_015474.2 , NP_056289.2
RefSeq Size:	2701 bp
RefSeq ORF:	1881 bp
Locus ID:	25939
UniProt ID:	Q9Y3Z3
Cytogenetics:	20q11.23
Domains:	SAM, HD
Gene Summary:	This gene may play a role in regulation of the innate immune response. The encoded protein is upregulated in response to viral infection and may be involved in mediation of tumor necrosis factor-alpha proinflammatory responses. Mutations in this gene have been associated with Aicardi-Goutieres syndrome. [provided by RefSeq, Mar 2010]