

Product datasheet for **SC319566**

HSH2D (NM_032855) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSH2D (NM_032855) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSH2D
Synonyms:	ALX; HSH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_032855.2
 AGGGCCTCGGCCATCCAAGGGTCTCCAGGTGACCTTCCCTCCACCCAGGAAGCTATGA
 CAGAGGCCGGGAAGCTGCCCTACCGCTACCCCAACGGCTGGACTGGTTTGTGCACACC
 AGATGGGCCAGCTGGCCCAAGACGGGGTCCCGAGTGGTTCCATGGTGAATCTCAAGAG
 AGGATGCTGAGAACTTGTGGAGTCACAGCCACTGGGATCCTTTCTCATCAGGGTCAGTC
 ACAGCCATGTGGCTACACACTCTCTACAAAGCCAAAGCAGCTGCTGCCATTTTCATGG
 TGAAGCTTTGGATGATGGGACTTTCATGATCCCGGGGAGAAGGTGGCCACACCTCGC
 TGGACGCCCTGGTCACCTTCCACCAGCAGAAGCCAATTGAGCCGCGCAGGGAGCTGCTGA
 CACAGCCCTGCAGGCAGAAGGATCCCGCAAACGTGGATTACGAGGATCTTCTCTACT
 CCAACGCAGTGGCCGAGGAAGCTGCCTGCCCGGTGTCTGCCCTGAGGAGGCTCCCCAA
 AGCCAGTCTGTGTACCAATCAAAGGAAAGGAAGCCGTCAGCAGAGATGAACAGAATAA
 CCACCAAGGAAGCCACTTCTCTGCCCCCAAATCCCCTTTGGAGAGACCCGCCAGA
 AACTCTGGAGGAGCCTCAAATGCTCCCGAGAGAGGCCAGAGGGTCCGGCAGCAGCTAA
 AAAGCCACCTCGCCACTGTGAATTGTCTGCTACTTTGGATGTCCGGAGATCCACGGTGA
 TCTCAGGCCCTGGGACCGGAAAAGGCAGCAAGATCACTCAGGGGATCCCACCTCGGGGG
 ACAGAGGCTACACGGATCCCTGTGTGGCCACATCTCTAAAAGCCCTCACAGCCCCAGG
 CACCAAAAGACAGAAAGGTCCCCACCAGGAAGGCCGAGAGGTCCGTCAGCTGCATTGAGG
 TGACCCAGGGGACAGGAGTTGGCACCAATGGTAGTGAGAGCCCTATCCTCCCAGGAGT
 CCAAGCCAGAGCACCAGGGCTTGGCAGAGCCTGAGAACGACCAGCTCCCGGAGGAGTACC
 AACAAACGCCACCTTTGCCCTGGGTACTGCTAGAGAACAGGTCCACCTGGCTCTGGG
 ACTCGTGCAGGGGCTGCCACTCTGAATGCCTAACATTTCTTCCATGGCCCCACA
 CCATGGCATCCGGGGTCTTCGGGAACCCGGGAAATGGAATAAAGATGTTTTGGGGTCT
 GTTCTGCACTCACCCATGGGGTGAGCTGGTTATTTTAGCAACAATCATCAGAGTGACGC
 TGATGGTTTGGGCACCAGCTATACATCAGCCCCAGTGCCAGACCTTCTATTCATTATTT
 TACGCCTCAGAGCAAGGCCCTCAGGGAGGGTATCCTCCATGTTTTGAAGAAGAGACTGA
 GGTTCCAGAGAGGATAAGAGGCGTGACCAAGGCCACAGAGCTATGGGTGTCAGCACCAGGA
 TTTGAAGCCAGGTGAATCCGAGCCCTTTTCCATATCATCTGTTTGTCTGTGTCTAAA
 AGCACACTGCAAGCCGGGCTCAGTGGCTCATGCCTGTAGTCCCAGCACTGTGGGGCCG
 AGGCAGGCAGATCGTTGAGGTCAGGAGTTCGAGACCAGCCTGGCCAACATGGTGA AAC
 CCGTCTATACTAAAAATTCAAAAATTACCCGGACGTGGTGGCGCATGCCTGTAATCCCA
 GCTACTTGGGAGCCTGAGGCGGGAGAATTGCTTGAACCCGGGAGGCAGAGTTGCAGTGA
 GCCGAGATCGCATCACTGCACTCCAGCCTGGATGACAGAGTGAGACTCCATCTCAAAAAA
 TAAATAAATAAATAAAAAATGAAATTAATAAAAAATAAAAAAAAAAAAAAAAAAAAAAAAAA
 AAAAAAA

Restriction Sites: Please inquire

ACCN: NM_032855

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_032855.2](#), [NP_116244.1](#)

RefSeq Size: 2369 bp

RefSeq ORF: 1059 bp

Locus ID: 84941

UniProt ID: [Q96JZ2](#)

Cytogenetics: 19p13.11

Gene Summary: T-cell activation requires 2 signals: recognition of antigen by the T-cell receptor (see TCR; MIM 186880) and a costimulatory signal provided primarily by CD28 (MIM 186760) in naive T cells. HSH2 is a target of both of these signaling pathways (Greene et al., 2003 [PubMed 12960172]).[supplied by OMIM, Mar 2008]
Transcript Variant: This variant (1) encodes the longer isoform (1).