

Product datasheet for **SC335153**

HSH2D (NM_001291274) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HSH2D (NM_001291274) Human Untagged Clone
Tag:	Tag Free
Symbol:	HSH2D
Synonyms:	ALX; HSH2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001291274, the custom clone sequence may differ by one or more nucleotides

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ATGAGGGGGAGTAGGATGTCCCAGCCCCGCAGTGTCTCCGCAGAGCCAAAGCAGCTGCTGCCATTTCA
TGGTGAAGCTCTTGGATGATGGGACTTTTCATGATCCCCGGGGAGAAGGTGGCCACACCTCGCTGGACGC
CCTGGTCACTTCCACCAGCAGAAGCCAATTGAGCCGCGCAGGGAGCTGTGACACAGCCCTGCAGGCAG
AAGGATCCCGCAAACGTGGATTACGAGGATCTCTTCTCTACTCCAACGCAGTGGCCGAGGAAGTGCCT
GCCCGGTGTCTGCCCTGAGGAGGCCTCCCCAAGCCAGTCTGTGTACCAATCAAAGGAAAGGAAGCC
GTCAGCAGAGATGAACAGAATAACCACCAAGGAAGCCACTTCTCTGCCCCCAAAATCCCTCTTGG
GAGACCCGCCAGAACTCTGGAGGAGCCTCAAAATGCTCCCCGAGAGAGGCCAGAGGGTCCGGCAGCAGC
TAAAAAGCCACCTCGCCACTGTGAATTGTGTCACTCTTGGATGTCCGGAGATCCACGGTGATCTCAGG
CCCTGGGACCGGAAAAGGCAGCCAAGATCACTCAGGGGATCCCACCTCGGGGACAGAGGCTACACGGAT
CCCTGTGTGGCCACATCTCTCAAAGCCCTCACAGCCCCAGGCACAAAAGACAGAAAGGTCCCCACCA
GGAAGGCCGAGAGGTCGGTCAGCTGCATTGAGGTGACCCAGGGGACAGGAGTTGGCACCAAAATGGTAGT
GAGAGCCCTATCCTCCAGGAGTCCAAGCCAGAGCACCAGGGCTTGGCAGAGCCTGAGAACGACCAGCTC
CCGGAGGAGTACCAACAACCGCCACCCTTTGCCCTGGTACTGCTAG
  
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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_001291274
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).



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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:	<u>NM_001291274.1, NP_001278203.1</u>
RefSeq Size:	2936 bp
RefSeq ORF:	888 bp
Locus ID:	84941
UniProt ID:	<u>Q96JZ2</u>
Cytogenetics:	19p13.11
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (2) differs in its 5' UTR and uses an alternate start codon, compared to variant 1. The encoded isoform (2) has a shorter and distinct N-terminus, compared to isoform 1.</p>