

Product datasheet for **SC310746**

ZDHHC19 (NM_001039617) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ZDHHC19 (NM_001039617) Human Untagged Clone
Tag: Tag Free
Symbol: ZDHHC19
Synonyms: DHHC19
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Fully Sequenced ORF: >SC310746 representing NM_001039617.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGACACTCTTAACGGATGCCACGCCGCTGGTGAAGGAGCCCCATCCCCTGCCTCTGGTCCCACGTCCC
TGGTTCCTCCCTAGCCTCTTTGCTGCCTCAATGTGGTGTGCTGGTCTTTTTCAGTGGCCTCTTCTTC
GCATTCCCTTGCAGGTGGCTGGCTCAGAACGGGAGTGGGCCCTTCTGTATCACAGGCTCCCTCTTT
GTCCTTACCTTCTCAGTCTTGTTCACCTCACTTCTCAGACCCTGGCATCTTACATCAAGGCTCCGCT
GAGCAGGGCCCCTTGACGGTGCACGTGGTGTGGTGAACCACGGGGCCTCCGCCTGCAATGGTGTCCA
AAGTGCTGCTTCCACCGCCCGCCGGACTTACCCTGCCCTGGTGAACATCTGTGTGGAGGACTTT
GACCACCACTGCAAGTGGTCAATAACTGCATCGGTACCGCAACTTCCGCTTCTCATGCTGCTTGTG
CTGTCCCTGTGCCTCTACTCGGGCGCCATGCTGGTCACTGTCTCATCTTCTGTGCGCACAACCCAC
CTGCCCTTCTCCACCGACAAGGCCATCGCCATCGTGGTGGCCGTGTCCGCCGCGGGCCTCCTGGTCCG
CTGTCCCTCCTGTGCTGATCCAGGCACTGTCCGTGAGCTCGGCCGACCGCACCTACAAGGGCAAGTGC
AGACACCTCAGGGATACAACCCCTTCGACCAGGGCTGTGCCAGCAACTGGTATTTAACAATTTGTGCA
CCACTGGGACCCAAGTACATGGCTGAAGCTGTCCAGCTGCAGAGAGTGGTGGGCCTGACTGGACATCC
ATGCCGAATCTGCACCTCCAATGTCCCCTCTGCTCTCAACCCCCAGCCCCAACCTCTGGTCCCTA
CAAAGCAGGGAAGGGACCCCGGGCGTGGTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC
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Restriction Sites: SgfI-MluI
ACCN: NM_001039617
Insert Size: 930 bp



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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:	<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_001039617.1</u>
RefSeq Size:	1370 bp
RefSeq ORF:	930 bp
Locus ID:	131540
UniProt ID:	<u>Q8WVZ1</u>
Cytogenetics:	3q29
Protein Families:	Transmembrane
MW:	34.4 kDa
Gene Summary:	Palmitoyltransferase that mediates palmitoylation of STAT3 and RRAS (PubMed:31462771, PubMed:20074548). Palmitoylation of STAT3 induces the homodimerization and transcriptional activation of STAT3, thereby, promoting inflammation and cancer (PubMed:31462771). Palmitoylation of RRAS is linked to cell viability (PubMed:20074548). May be involved in S-stearoylation of STAT3 (Probable).[UniProtKB/Swiss-Prot Function]