

Product datasheet for **SC335139**

ZDHHC20 (NM_001286638) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ZDHHC20 (NM_001286638) Human Untagged Clone
Tag:	Tag Free
Symbol:	ZDHHC20
Synonyms:	4933421L13Rik; DHHC-20; DHHC20
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001286638, the custom clone sequence may differ by one or more nucleotides

ATGTTTGTATGGTCTATTGGATGACAATTTTCACATCTCCCGCTTCCCCTCCAAAGAGTTCTACTTGT
 CCAATTCTGAAAAGGAACGTTATGAAAAAGAATTCAGCCAAGAAAGACAACAAGAAATTTTGAGAAGAGC
 AGCAAGAGCTTTACCTATCTATACCACATCAGCTTCAAAAATCAGATATTGTGAAAAATGTCAGCTG
 ATTAAACCTGATCGGGCGCATCACTGCTCAGCCTGTGACTCATGTATTCTTAAGATGGATCATCACTGTC
 CTTGGGTGAATAACTGTGTGGGATTTTCTAATTACAAATTCCTCTGCTGTTTTATTGTATTCCCTATT
 ATATTGCCTTTTCGTGGCTGCAACAGTTTATAGAGTACTTTATAAAATTTGGACGAATGAAGTACAGAT
 ACACGTGCAAAATCCACGTACTTTTTCTTTCTTTGTGTCTGCAATGTTCTTCATCAGCGTCCTCTCAC
 TTTTCAGCTACCACTGCTGGCTAGTTGGAAAAATAGAACAAATAGAAATCATTCCGCGCACCCACGTT
 TTCATACGGACCTGATGGAATGGTTTCTCTCTTGGATGCAGTAAAAATTGGAGACAAGTCTTTGGTGAT
 GAAAAGAAATATTGGCTACTTCCAATATTTCAAGCTTGGGTGATGGTTGCAGTTTCCAACCTCGCCTTG
 TGGGGATGGATCCAGAACAAGCTTCTGTTACAAACCAGAATGAGTATGCCAGAAGTAGTGGCTCAAATCA
 ACCTTTTCCTATCAAAACCACTTAGTGAATCAAAAAACCGCTTGTGGACAGTGAATCTCAGTGGCTGGAG
 AATGGAGCTGAAGAAGGCATCGTCAAATCAGGTGATGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001286638
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_001286638.1, NP_001273567.1</u>
RefSeq Size:	5333 bp
RefSeq ORF:	879 bp
Locus ID:	253832
UniProt ID:	<u>Q5W0Z9</u>
Cytogenetics:	13q12.11
Protein Families:	Transmembrane
Gene Summary:	<p>Catalyzes palmitoylation of Cys residues on target proteins (PubMed:27153536, PubMed:29326245). Catalyzes palmitoylation of Cys residues in the cytoplasmic C-terminus of EGFR, and modulates the duration of EGFR signaling by modulating palmitoylation-dependent EGFR internalization and degradation (PubMed:27153536). Has a preference for acyl-CoA with C16 fatty acid chains (PubMed:29326245). Can also utilize acyl-CoA with C14 and C18 fatty acid chains (PubMed:29326245).[UniProtKB/Swiss-Prot Function]</p> <p>Transcript Variant: This variant (2) contains multiple differences in the coding region, compared to variant 1, including initiation of translation at a downstream in-frame start codon. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>