

Product datasheet for **SC126033**

HRASLS5 (BC034222) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HRASLS5 (BC034222) Human Untagged Clone
Tag:	Tag Free
Symbol:	HRASLS5
Synonyms:	calcium-independent phosphatidylethanolamine N-acyltransferase; H-rev107-like protein 5; HRAS-like suppressor family, member 5; HRLP5; iNAT; lecithin-retinol acyltransferase (LRAT)-like protein-1; RLP-1; RLP1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



[View online »](#)

Fully Sequenced ORF:

>OriGene sequence for BC034222 edited

```

GCGGTTCTCCCCGAGCCGCCCCAGTGCCCAAGCTTCCGCGGCTCCGCCGACCAAGGGG
CGCGCCGACTGGGAACCGCCAGGGGCGTAGTCCCCTGCAAGGCTGGGGCCGGCGAGG
CCGCAGAGGCGGGATGGGCTGAGCCCGGGCGCCGAGGGGAGTACGCGCTCCGCTCCC
TAGGATCCCCCACCCTCCCCAAACCCGCTCGGAACCGCGGTACCGGGCCCAAGGA
CCAGCCGCTGCGCTCAGACGTTAGCTGTGCCCACTCAGAAGAATCCGTGGGATTCGC
AGCGTTGGTCCAGCTCCAGCCAAGCAGCCTCCGCCGGGCACATTAGAACAGGGCAGAAG
CATCCAGCAAGGGGAGAAGGCTGTAGTTAGCTTGAGACCACACCAGCCAGAAAGCAGA
CTGGAGTTCAATTCCAAAGCCTGAGAATGAAGGCAAGTTAATAAAGCAAGCAGCTGAGGG
AAAACCAAGACCCAGACCTGGAGACCTGATTGAGATTTTTGAATTGGCTATGAGCACTG
GGCCATCTATGTAGAAGATGATTGCGTGGTCCATCTGGCTCCCCCAAGTGAAGAGTTTGA
GGTGGGCAGCATTACTTCCATCTTTAGCAATCGGGCCGTGGTGAATACAGTCGTCTGGA
GGATGTGCTGCATGGCTGCTCTGGAAGGTCAATAACAAGCTAGATGGGACGTACCTGCC
CTTGCCGGTGGACAAGATCATCCAGCGTACAAAAAAGATGGTCAACAAGATCGTGCAGTA
CAGCCTGATTGAAGGGAAGTGTGAGCACTTTGTCAATGGCCTCAGATATGGCGTACCCCG
GAGCCAGCAGGTAGAGCACGCCCTGATGGAAGGAGCGAAGGCTGCTGGAGCAGTTATTTT
AGCTGTAGTGGATAGCATAAAGCCCAACCAATAACTGCCTGAAGGTGATGAAAACCTCCA
GCTAGAGGAAGAGTTACTGACACAAGCAAAAAGAACATGCTTCCCTTGCTTCTCTCT
CAATGGCTCCGATTAAGAAAATTGTGAACCTTCTGGAAGAATCTACAATGTATCCAATTAC
CCTTCCAGAAATACATCAATATATACGAGCATAGACCCACAGACTCTCAGGATGGGAAG
GATCTGGTATCTAGTGTGTATCTTATGCGCCAGGCACTGTGCTAGGCATTTATATAC
GGATCTAATTTCACTCTCTTTGAGGATGGGACCTTGCTGTGTCTTAGGCTGACCTTGG
TCTCCGATGCTTGAGTGCCATCAGAAACATCCAGAAACCTCTGCTTGAATATTTCCAGT
AACGAAGATGTCTTTTTCCAGATGTTCTTTTTATTTAACTAAAATGTCTCTAGCTTCTT
CCATTTATGATAATCCTGCCCTTTTCGACCCACAGTGTAGCTCAGAGGAGGAGGACCTTA
AGAAAACTGAGATTGTTATTAGGGCCCATGGTACCTTAATCTAGAAACACATATCCC
AAGAAATATTTTCTTTTTAAATATACATCAACTTTATGCCTTATTGTTTAAAAATCTT
CTATCAAAAGTATCATCGATAAGACAATTTATCTTGCTTTGTACCTCATAATTACCCTA
AAATGTGAAGTTTCTAGTCTCACTGATTTAGATGAATATTTAAATAATTTGATAAGTT
TAATCAATTGAAGTCTACTGTGTGAGTGAGGGAGAGAAAGGAGTTATTTTGTGTTTGA
AGAAAGTTGACAGGATGGAAGATCTGAAATTATGGCTGGGGATTGTAGTGATAGCTGGTA
GCTGAAACCAACCAAAAAAGCTAGAAAAGTGTTCTTATGCCTCCAGAGATACCTAGA
AAATATGAAGAATGTGGAAGAGCAAGATGGAACCTCAGAGTGTTTCAGATAAGGTCT
GTTGGTATCTCCATAAGCTTTTCTCTATTTGGAGAAAATAGACTCTCACTGAAACTCTT
CAATGTTTTTACCCTCCATCCTTTTCTAGCAATCTAACTCAATGGCCTCCTGTTCCCC
AACACTGCAGTCTGGGCATCTGACTTTGTCTTCCCTCTGCACTCATTTCTGTGAATCATG
ACCAGGATGAACTGATATCCCTAGTTCCTCTTCCCCATTTCTTCTCACACTCCCTGCC
TGAGAATCAGTTGAGTTCCCAATACCTCTTCTTCACTCTCTATTATTATATGGTCTAG
GTTGAGACTTCTTGGAAAGCAGAACCTGAGTACCAGGAACCTCATATTTTATAAAGTATAT
TTATTCTTTTAGCTGCAAACTAACCCAGCCATGTTTTAGTGAATGCTTTAATCTGAAGA
TGACTTTGAGCTCATTGACCATATTAATCTTTCATCAAACTGAGTGTGTTTCATT
AACAAAAAATCCTCCACACCAAGGAGTGTAGTAACCTCTGCACAGAGGACTCATCCA
TCTCTTGCTTATGTTTGGGACAGAAAGACACTTCTCTGGCTTTTACTGGCTTGAACCCA
ATGGGACAGAGACTCTCTAGAAAGTTTCAGGGCTCACATTCATTGTTTGTCCAAAAAT
ATTTTTGAGTGTCTCCCAAGTGCCAAACCCTGGCTACTCCACCTTTGCCTGAGCCCATG
AGCGGTAGTCTGGGGCTGGATGTGAGGAGTTCTGAGTTGGCTAGGAAGACACAAGGCAC
AATGGACATGGGGCAAAGTCCACTTGCTGGACATTGGTCCCTTCACTTCCAAGCTGTCC
ATCAGGCTGAGAGATCTGGAATGCATACCCACACTTTGAAGATGAGGAAGGGCGAGTTT
CTCAAAGTGTGTGTGTGTGTTTCTTTTAACTGTAATGGTTTCTGCATTTTGAGGTAG
AAACAGAAATCTTTTTTGAAGTGGGACCACTCGGGTGCAGCTTCTTAGTCTTGTGATA
TAATAAGCACATGCCCACTCCTCATGGAGTGGAGAGGAGAAAATCTAAGGGAACGTAC
TCTGAATGCAATGTTTCTGAGATTAACACGAAAAAAAAAAAAAAAAAAAA

```

5' Read Nucleotide Sequence:	>OriGene 5' read for BC034222 unedited TCTGAATTTGTAATACGAACTTACTATAGGGCGGCCGCATAAATTCTGATAGCATACATT ATACGAAGTTATGGATCAGGCCAAATCGGCCGAGCTCGAATTCGTGAGAGCGGGCGGTT CCTCCCCGAGCCGCCCCAGTGCCCAAGCTTCGCGGCTCCGCCGACAGGGGCCGCGCC GACTGGGAACTCGCCAGGGGCGTAGTCCCCTGCAAGGCCTGGGGGCCGGCGAGGCCGCGAG AGGCGGGATGGGCTGAGCCCGGGCGCCGAGGGGAGTACGCGCTCCGCCTCCCTAGGAT TCCCCACCCCTCCCCAAACCCGCTCGCGAACCGCCGTACCGGGCCCAAGGACCAGCC GCCTGCGCTCAGACGTTTCACTGTGCCCCACTCAGAAGAATCCGTGGGATTTCGCAGCGTT GGTCCAGCTCCCAGCAAGCAGCCTCCGCCGGGCACATTAGAACAGGGCAGAAGCATCCA GCAAGGGGAGAAGGCTGTAGTTAGCTTGGAGACCACACCAGCCAGAAAGCAGACTGGAG TTCAATTCCAAAGCCTGAGAATGAAGGCAAGTTAATAAGCAAGCAGCTGAGGGAAAACC AAGACCCAGACCTGGAGACCTGATTGAGATTTTTCGAATTGGCTATGAGCACTGGGCCAT CTATGTAGAAGATGATTGCGTGGTCCATCTGGCTCCCCAAGTGAGGAGTTTGAGGTGGGC AGCATTACTTCCATCTTTAGCAATCGGGCCGTGGTGAAATACAGTCGTCTGGGAGATGTG CTGCATGGCTGCTCTGGAAGGTNNCATACAGCTAGATGGGACGTACCTGCCCTTGCCGG TGGGACAGATCATCCAGCGTACANNAAGATGGTAACAAGATCGTGCAGTACAGCCTGATT GAAAGGAAGTGTGAGCACTTTGTATGGCCTCAGAATGGCGTACCCA
Restriction Sites:	NotI-NotI
ACCN:	BC034222
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:	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>BC034222.1</u> , <u>AAH34222.1</u>
RefSeq Size:	3048 bp
Locus ID:	117245
Cytogenetics:	11q12.3

Gene Summary:

Exhibits both phospholipase A1/2 and acyltransferase activities (PubMed:22825852, PubMed:26503625). Shows phospholipase A1 (PLA1) and A2 (PLA2) activity, catalyzing the calcium-independent release of fatty acids from the sn-1 or sn-2 position of glycerophospholipids (PubMed:22825852). Shows N-acyltransferase activity, catalyzing the calcium-independent transfer of a fatty acyl group at the sn-1 position of phosphatidylcholine (PC) and other glycerophospholipids to the primary amine of phosphatidylethanolamine (PE), forming N-acylphosphatidylethanolamine (NAPE), which serves as precursor for N-acylethanolamines (NAEs) (PubMed:19000777, PubMed:22825852).[UniProtKB/Swiss-Prot Function]