

Product datasheet for **SC127487**

LY6E (NM_002346) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LY6E (NM_002346) Human Untagged Clone
Tag:	Tag Free
Symbol:	LY6E
Synonyms:	RIG-E; RIGE; SCA-2; SCA2; TSA-1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC127487 sequence for NM_002346 edited (data generated by NextGen Sequencing) ATGAAGATCTTCTTGCCAGTGTGCTGGCTGCCCTTCTGGGTGTGGAGCGAGCCAGCTCG CTGATGTGCTTCTCCTGCTTGAACCAGAAGAGCAATCTGTAAGCCGACCATC TGCTCCGACCAGGACAACACTACTGCGTGACTGTGTCTGCTAGTGCCGGCATTGGGAATCTC GTGACATTTGGCCACAGCCTGAGCAAGACCTGTTCCCGGCTGCCCATCCCAGAAGGC GTCAATGTTGGTGTGGCTTCCATGGGCATCAGCTGCTGCCAGAGCTTTCTGTGCAATTC AGTGCGGCCGATGGCGGGCTGCGGGCAAGCGTCACCCTGCTGGGTGCCGGGCTGCTGCTG AGCCTGCTGCCGGCCCTGCTGCGGTTTGGCCCCTGA

Clone variation with respect to NM_002346.2



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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_002346 unedited AGGAAAAAANNAANNNNNTNNCCCCCGTTTAGATTTGTATACGACTCATATAGGCGGC CGCGAAATTCGCACGAGCTCGGCCAGGCTGCTGGTACCTGCGTCCGCCCGGCGAGCAGGA CAGGCTGCTTTGGTTTGTGACCTCCAGGCAGGACGGCCATCCTCTCCAGAGTGAAGATCT TCTTGCCAGTGTCTGGCTGCCCTTCTGGGTGTGGAGCGAGCCAGCTCGCTGATGTGCT TCTCCTGCTTGAACCAGAAGAGCAATCTGTACTGCCTGAAGCCGACCATCTGCTCCGACC AGGACAACACTACTGCGTGACTGTGTCTGTAGTCCCGCATTGGGAATCTCGTGACATTTG GCCACAGCTGAGCAAGACCTGTTCCCCGGCCTGCCCATCCCAGAAGGGTCAATGTTG GTGTGGCTTCCATGGGCATCAGCTGCTGCCAGAGCTTTCTGTGCAATTTCAAGTCCGCGCCG ATGGCGGGCTGCGGGCAAGCGTCACCCTGCTGGGTGCCGGGCTGCTGCTGAGCCTGCTGC CGGCCCTGCTGCGGTTTGGCCCCGACCGCCAGACCCTGTCCCCCGATCCCCAGCTC ANGAAGGAAAGCCAGCCTTTTCTGGATCCCACAGTGTATGGGAGCCCCCTGACTCCTCA CGTGCCCTGATCTGTGCCCTTGNTCCANGTCAGGCCACCCCCCTGCACCTNCACCTG CCCCAGCCCTGCCTCTGCCCAAGTGGGGCAGCTGCCCTCACTCCTGGNGTGGATGAT GTGACCTTTCTTTGGGACTGCNGAAAGCACCAAGGTTTCCCTGGAGTCTTACAGCCAA CATCAGGACAAGTCCCATGGNAATGCTGACAGGTTCCAGGAAAACGGGGTCATTAGG GATGTGTGCCTGCCTGGTACGTGGTGGGCANGGCACGGTAAACCCTGCCGGTCTGGGC CCACTTTGTGGGAGGGAAGGGGCCACAACTGAAAGACCTAATCCCTGGACCCCTCGC CTGTGACAATTGTTGCCTTAAGG
Restriction Sites:	NotI-NotI
ACCN:	NM_002346
Insert Size:	1300 bp
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery. The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
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:	NM_002346.1 , NP_002337.1

RefSeq Size: 1145 bp

RefSeq ORF: 396 bp

Locus ID: 4061

UniProt ID: [Q16553](#)

Cytogenetics: 8q24.3

Domains: LU

Gene Summary: Involved in T-cell development. Believed to act as a modulator of nicotinic acetylcholine receptors (nAChRs) activity. In vitro inhibits alpha-3:beta-4-containing nAChRs maximum response.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (1) represents the longer transcript. Variants 1 and 2 encode the same protein.