

Product datasheet for **SC110907**

GLE1 (NM_001499) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GLE1 (NM_001499) Human Untagged Clone
Tag:	Tag Free
Symbol:	GLE1
Synonyms:	CAAHC; CAAHD; GLE1L; hGLE1; LCCS; LCCS1
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001499, the custom clone sequence may differ by one or more nucleotides

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ATGCCGCTCTGAGGGTCGCTGCTGGGAGACCTTGAAGGCCCTACGCAGTTCGACAAAGGTCGCCTTTGCT
ACTACCGCGACTGGCTGCTGCGGCGGAGGATGTTTTAGAAGAATGTATGTCTCTTCCCAAGCTATCTTC
TTATTCTGGATGGGTGGTAGAGCACGTCCTACCCCATATGCAGGAGAACCAACCTCTGTCTGAGACTTCG
CCATCCTCTACGTCAGCTTCAGCCCTAGATCAACCCTCATTTGTTCCCAAATCTCCTGACGCAAGCTCTG
CCTTTTCCCAGCCTCCCTGCAACACCAAATGGAACCAAGGGCAAGATGAGTCCCAGCACACAGAATC
TATGGTACTTCAGTCCTCACGGGGGATCAAAGTGAAGGCTGCGTCCGAATGTACGAAGTGGTACACAGA
ATGAAAGGAACAGAGGGCCTGAGGCTATGGCAGGAGGAGCAGGAGAGGAAGGTGCAAGCCCTCTCGGAGA
TGGCATCTGAACAACTGAAGCGTTTGATGAATGGAAGGAAGTGAAGCAGCATAAAGAATTCCAGGACTT
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GCTCAGCCAGCAGCTGGATGCCTCTGAGCAGCACAAAGCCCTGCTTAAGGTCGACCTGGCTGCCTCCAG
ACCCGAGGCAACCAGCTGTGCAGCCTCATCTCAGGGATCATCCGGGCCTCTTTCAGAGAGCAGCTATCCCA
CAGCAGAGAGTCAAGCTGAGGCTGAGCGAGCTCTGCGGGAAATGCGGGACCTCCTGATGAACTTGGGGCA
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GAAGTGGCCTCTCACCATGAAGCAGCATTCCCCATTGCAGTTGTGGCATCCGGGATCTGGGAGCTCCACC
CCAGAGTGGGGGACCTCATTCTTGCTCATCTACATAAGAAGTGTCTTACTCTGTTCTTTCTATCCAC
TTTCAAGGAGGGAATGGCTTTGGAAGACTATCAGAGGATGCTTGGTTACCAAGTAAAGGATTCCAAAGTG
GAGCAGCAAGACAACCTTCTAAAACGCATGTGAGGATGATCCGTCTCTACGCTGCTATCATCCAGCTCC
GGTGGCCATATGGAACCGACAGGAGATTCACCCTCATGGCTTAAATCATGGATGGCGCTGGTTGGCACA
GATCTTAAACATGGAGCCCTTGTGAGATGTGACAGCCACCCTCCTTTGACTTCTGGAGGTGTGTGGG
AATGCCCTCATGAAGCAATACCAGGTTCAAGTCTGGAAGATGCTAATTCTCATCAAGAGGACTACTTTC
CCAGGTATCAGGCTTGTTGA
  
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_001499 unedited
TATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGGCACCAGCCTGTGTGGCCT
TCCCGGCGGCTGATTTCGAGGGCTTGTGGTTCAGAAAGGGGGCGTCAGAGAAGCTGCCCC
TTAGCCAACCATGCCGTCTGAGGGTCGCTGCTGGGAGACCTTGAAGGCCCTACGCAGTTC
CGACAAAGGTCGCCTTTGCTACTACCGCGACTGGCTGCTGCGGCGCAGGATGTTTTAGA
AGAATGTATGTCTTCCCAAGCTATCTTCTTATTCTGGATGGGTGGTAGAGCACGTCTCT
ACCCCATATGCAGGAGAACCAACCTCTGTCTGAGACTTCGCCATCCTCTACGTCAAGCTTC
AGCCCTAGATCAACCCTCATTTGTTCCCAATCTCCTGACGCAAGCTCTGCCTTTTCCCC
AGCCTCCCCTGCAACACCAAAATGGAACCAAGGGCAAAGATGAGTCCCAGCACACAGAATC
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GGTGCAAGCCCTCTCGGAGATGGCATCTGAACAACTGAAGCGGTTTGATGAATGGAAGGA
ACTGAAGCAGCATAAAGAATTCCAGGACTTGCAGGAAGTAAATGGAGAAGAGCTCCAGAGA
AGCCTTNGACACCAACTAGAGCTAANAGCTGAGCACCCTCACAGAGCAAAGATTCTCAA
CCTGAAGCTGCGGAAGCAGAGCAGCGCGTGAAGCAAGCAGAACAAAGAGCGGGCTTC
GAAGGAAGAAAGCAGTCGCCTGCGGCCCTCTTGTCTGCAGAGAGATGCTCACTACCA
GCACTGATGCTCTGACACACAAGCTGCTAGGTGACTGGTCTTCAGACCGAGCACAGTGG
CANCTATTTAGGATCATCGGCTCTCAA

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_001499 unedited
NNGGGGTAAAGACTAGNAACCGCGCCGCAANCTANGATCGAGTTTTTTTTTTTTTTTTTT
CAAAAAACCAAGCTTTATTATTAATTTTTTTTGGCACCTTAATTAACAATTCATAGAATG
GGTCACTTCAGGCCACTCAAGAGTACCAGTGAACACTCCCCACAAACACACCCTGCCAC
AAGACATTTAGCACAGAGGAACAGATCCATGGCCACTGCCTCTGCAGTATCAAAGAGAAT
TAGTCTTTCCACAAAACAAATTTTAACAGCCAATCTCTGGATTTCTGTAGTGGCTTTAGT
CAGGCATATTTATCATCATATTAGCAGTGTTCAGTTCTCTGCCAACATCTTTATTTAATC
CCAATTCAATGCTTATGGATGCTCAGCTCATGTTAATGTTGCAAGCCCCATCTAGCCC
ATCTTAATTCAAACAGAAAAGAAACAAAACAAAACAAAACAAAAGGTACCTGCCTGG
TTCATGGATCCCTAGCCATCCAGGGACCAAAATTCAAATTAGGATGACAAAGAGTTTCCC
TTAGTTCAAAATGACATGTGTTTCCAGTCCTAATCCCAGATGTTAATCTAGCCATAGTGT
CACCTGAGCCTTAGTCCATGTGTATATCACATACTTCTCTAGCTTTAGAATGACTTCAC
AAGCTGAGAAAGGCAAAACAAACATAACCCAGACTTGCATGTAAGTATCTGGCCTCAACT
ATTAAATAATACTTAAAGGGAACCTTATGAGCCTTAGCTCTTTCTGGAATTCATCTGA
CAGGGTGAGGTGNTNANNTGGGGGTCCAAAATGGGTGGCCTCCCTCCACCTCAGAGTG
CATTTGTTAAGGTATTGCCCACTTTCTGAAAGACACTAGAGACCAGGGAGGAGACCAAGT
GCTTAAGAACCTTTATCACTTTTGCAA

Restriction Sites:

NotI-NotI

ACCN:

NM_001499

Insert Size:

3500 bp

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>NM_001499.2, NP_001490.1</u>
RefSeq Size:	2266 bp
RefSeq ORF:	1980 bp
Locus ID:	2733
UniProt ID:	<u>Q53GS7</u>
Cytogenetics:	9q34.11
Gene Summary:	This gene encodes a predicted 75-kDa polypeptide with high sequence and structure homology to yeast Gle1p, which is nuclear protein with a leucine-rich nuclear export sequence essential for poly(A)+RNA export. Inhibition of human GLE1L by microinjection of antibodies against GLE1L in HeLa cells resulted in inhibition of poly(A)+RNA export. Immunofluorescence studies show that GLE1L is localized at the nuclear pore complexes. This localization suggests that GLE1L may act at a terminal step in the export of mature RNA messages to the cytoplasm. Two alternatively spliced transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (2) has an alternate 3' sequence, as compared to variant 1. The encoded isoform 2 has a shorter and distinct C-terminus, as compared to isoform 1.