

Product datasheet for **SC116834**

GNL1 (NM_005275) Human Untagged Clone

Product data:

| | |
|---------------------------|---------------------------------------|
| Product Type: | Expression Plasmids |
| Product Name: | GNL1 (NM_005275) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | GNL1 |
| Synonyms: | HSR1 |
| Mammalian Cell Selection: | None |
| Vector: | <u>pCMV6-XL5</u> |
| E. coli Selection: | Ampicillin (100 ug/mL) |



[View online »](#)

Fully Sequenced ORF: >OriGene ORF within SC116834 sequence for NM_005275 edited (data generated by NextGen Sequencing)

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ATGCCGAGGAAGAAGCCATTCAGCGTGAAGCAGAAGAAGAAGCAGTTGCAGGACAAACGG
GAGCGGAAGAGAGGGCTTCAAGATGGGCTGCGCTCCAGTTCCAACAGCCGAGCGGGAGC
CGGGAGCGGCGAGAGGAACAGACCGACACCTCGGACGGGGAGTCTGTGACCCATCATATC
CGCAGGCTTAACCAGCAGCCTTCTCAGGGGCTGGGTCCACGAGGCTACGACCCAAATCGA
TACCGACTGCATTTTGGAGAGACAGCAGGGAGGAGGTAGAGAGGAGAAAGAGAGCAGCC
CGGGAGCAAGTTCTACAGCCGGTCAGTGCTGAGTTGTTGGAGCTGGACATCCGGGAGGTG
TATCAGCCTGGCTCAGTTCTGGACTTTCCTCGACGTCCTCCTTGGAGCTATGAGATGTCC
AAGGAGCAACTAATGAGCCAAGAGGAACGGAGCTTCCAAGACTATCTTGGGAAGATTCAT
GGGGCTTACTCCTCTGAGAACTCAGCTACTTTGAGCACAATCTGGAGACATGGAGGCAG
CTGTGGCGGGTGTAGAGATGTCTGACATCGTCTGCTTATCACTGATATCCGACATCCA
GTTGTGAATTTCCCGCCAGCACTTATGAGTATGTGACTGGAGAACTTGGACTGGCCCTG
GTGCTGGTTTTGAACAAGGTGGATCTGGCCCCGCCAGCTTTGTGGTTGCCTGGAAGCAT
TATTTCCATCAACACTATCCCCAGCTCCACGTCGTCCTTTTACCTCTTTTCTCGGGAC
CCCCGACCCACAGGATCCTAGTAGTGTCTTGAAGAAGAGTCGGAGCGGGGGAGAGGA
TGGACTCGGGCCCTGGGGCCAGAGCAGTTGCTGAGAGCCTGTGAAGCCATCACTGTGGGG
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CAGACTGATTCAGCAATGGAGCCAACCTGGCCCAACCAAGAGCGCTACAAGGATGGGGTG
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TACTTTTACCCTCTGTGAAGCTCTGTGACTGCCAGGCCTCATCTTCCCATCTCTT
CTGCTAGGCAGTTGCAGGTTCTGGCAGGGATCTACCCTATCGCCAGATCCAGGAGCCC
TACACTGCTGTGGCTACCTGGCCTCCCGAATTCCTGTGAGGCCTGCTCCACCTGCGC
CACCCAGAGGCTGAGGACCCCTCAGCGGAACACCCTGGTGTGCCTGGGACATCTGTGAA
GCCTGGGAGAGAAACGTGGTTACAAGACAGCCAAGGCGGCTCGGAATGATGTGTACAGA
GCAGCCAACAGTCTCTTGGCGCTGGCAGTGGACGGCCGCTCAGCCTGTGTTTTCATCCC
CCAGGCTACAGTGAACAGAAAGGCACCTGGGAGTCCCATCCAGAGACCACGGAGCTGGT
GTTTTGCAGGGCAGGGTGGGGCCAGCAGGTGACGAGGAGGAGGAAGGAAGAGCTG
AGCAGCTCCTGTGAGGAGGAGGGAGAGGAGGACCGGGATGCGGATGAGGAGGGAGAGGG
GATGAGGAGACCCCAACCTCGGCTCCAGGGTCCAGCCTGCTGGCCGAAACCCTTATGCC
CTGCTGGGTGAGGATGAGTGCTGA
```

Clone variation with respect to NM_005275.3
798 c=>t

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_005275 unedited
TATATTTTGTAAATACGACTCACTTATAGGGCGGCCGGAATTCGCACGAGGGCTCGGCGG
AGGGCGGGCCAGGTGACTGGTCCGGGCCATGCCGAGGAAGAAGCCATTACGCGTGAAGCA
GAAGAAGAAGCAGTTGCAGGACAAACGGGAGCGGAAGAGAGGGCTTCAAGATGGGCTGCG
CTCCAGTTCCAACAGCCGACGCGGGAGCCGGGAGCGGCGAGAGGAACAGACCCACACCTC
GGACGGGGAGTCTGTGACCCATCATATCCGCAGGCTTAACCAGCAGCCTTCTCAGGGGCT
GGGTCCACGAGGCTACGACCCAAATCGATACCGACTGCATTTTGAGAGAGACAGCAGGGA
GGAGGTAGAGAGGAGAAAGAGAGCAGCCCGGGAGCAAGTTCTACAGCCGGTCAAGTCTGA
GTTGTTGAGCTGGACATCCGGGAGGTGTATCAGCCTGGCTCAGTTCTGGACTTTCCTCG
ACGTCCTCCTGGAGCTATGAGATGTCCAAGGAGCAACTAATGAGCCAAGAGGAACGGAG
CTTCCAAGACTATCTTGGGAAGATTCATGGGGCTTACTCCTCTGAGAACTCAGCTACTT
TGAGCACAACTGGAGACATGGAGGCAGCTGTGGCGGGTGTAGAGATGTCTGACATCGT
CCTGCTTACTGATATCCGACATCCAGTTGTGAATTTCCCGCCAGCACTTTATGAGTA
TGTGACTGGAGAACTGGACTGGCCCTGGTGTGTTNTGAACAAGGTGGATCTGGCCCC
GNCAGCTCTTGTGTTGCCTGGAAGCATTATTTCCATCAACACTATCCAGCTNCACGT
CGTCCTTTTACCTCTTCTCGGNACCCCGCACCCACAGGATCCTANTAGTGTCTTGAA
AAAAAGTCGAGGGCGGGGAGAAGATGGACTCGGNCCCNTGGGCCACNAGCAGTGCT

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_005275 unedited
ATGTACCGCGCGCCGCTTCTAGAGTCGAGTTTTTCTTTTTTTTTTTTTTTTTTTTTTTTTT
TACAAAGCAAACAATCTTTATTCACAATTGGGGTGGCAGAGGGGAGATACCCCCAGGTCA
GTCCAAAAGCAAAGATACTGGGAGGGAAGATGGCGCTGGGCGAGGAACTCAGCACTCATC
CTACCCAGCAGGCATAAAGGGTTTCGGCCAGCCAGGCTGGACCTGGAGCCGAGGTTGG
GGTCTCCTCATCCCTTCTCCCTCCTCATCCGCATCCCGACCTCCTCTCCCTCCTCCTC
ACAGGAGCTGCTCAGATCTTCTCTTCTCCTCCTCCTCGAGACCTGCTGGCCCCACCCT
GCCCTGCAAAACCACAGCTCCGTGGCCTCTGGATGGGACTCCCAGGTGCCTTTCTGTTC
ACTGTAACCTGGGGATGAAAACACAGGCTGAGGCGGCCGCTCCACTGCCAACCGCAAGAG
ACTGTTGGCTGCTCTGAACACATCATTACGAGCCGCTTGGCTGATTTGAAACCAGTAT
ATCTGCCAGGCTTACAGATGTCCAGGCACACCAGGGGTGTTCCGCTGAGGGGCCCTC
ACCCTTTGGGTGGCGCACGTGGAGCAGGCTGCCCCGTAATTCGGGAGGCCAGCACCC
CACAGCCGTGTAGGGCTCCTGGATCTGGCGATAGGGTAAATCCCTGCCCAAACCTGTAC
TGCTAGGCAAAACACACGGGAAGACGACGCCCCGGCAGACACACAGCCTCACANAGGGG
GTAAAGAAAGCAGGCTGAAAAATCGGGGTATGGCCCCGGGGCTCCGGAGACAACTACAG
ACTTTCCGCCACCAGCCATTGATCAGGGAGAACCTTCCCCTTTAGGGAATCCACAC
AGCCGAGGTTCCACCCCATCCT

Restriction Sites:

NotI-NotI

ACCN:

NM_005275

Insert Size:

2240 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: [NM_005275.2](#), [NP_005266.2](#)

RefSeq Size: 3023 bp

RefSeq ORF: 1824 bp

Locus ID: 2794

UniProt ID: [P36915](#)

Cytogenetics: 6p21.33

Domains: MMR_HSR1

Gene Summary: The GNL1 gene, identified in the human major histocompatibility complex class I region, shows a high degree of similarity with its mouse counterpart. The GNL1 gene is located less than 2 kb centromeric to HLA-E, in the same transcriptional orientation. GNL1 is telomeric to HLA-B and HLA-C. [provided by RefSeq, Jul 2008]