

Product datasheet for **SC113993**

GON4L (NM_017710) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	GON4L
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



Fully Sequenced ORF:

>OriGene ORF within SC113993 sequence for NM_017710 edited (data generated by NextGen Sequencing)

ATGACGGATGAAGCAGTTGGAGACTCTGCTGAGAAGCCTCTACTTTTGCTTCACCTGAG
 ACTGCTCCAGAAAGTGGAGACCAGCAGAACTCCACCAGGAGAGAGCATCAAAGCTGCTGGA
 AAAGGCCGGAACAATCATCGAGCTCGCAACAAGCGGGGAAGTCGGGCTCGGGCCAGCAAG
 GACACCTCCAAGCTGCTGTTGCTGTATGATGAGGACATTCTCGAGCGAGATCCACTCAGG
 GAGCAGAAGGACTTGGCCTTTGCCAAGCTTATCTGACCAGGGTGCAGAAAGCCCTACAA
 CATATCCCTGGCAAGTATGAAGACTTCCTTCAAGTCATCTATGAATTTGAGTCAAGTACC
 CAGAGACGGACGGCTGTAGATCTCTACAAAAGCCTGCAAAATTCGTCTCAAGACTGGCCT
 CAGCTGTTGAAAGACTTTGCTGCTTTCCTGTTACCTGAGCAAGCTCTGGCCTGTGGATTA
 TTTGAGGAGCAGCAGGCTTTTGAGAAGAGCCGCAAGTTCCTTCGGCAGCTGGAGATTTGC
 TTTGCAGAGAAACCCCTCACACCACCAAGATTATCAAGGTCTCCAAGCTGTGCAGAC
 TGCCTTCCCCAGGAGATCACCGAGCTCAAGACACAGATGTGGCAGCTCCTCAAGGGCCAC
 GACCACCTGCAGGATGAGTTTTCTATCTTCTTTGACCACTTGCGCCAGCAGTAGCCGG
 ATGGGTGACTTTGAAGAGATCAATTGGACTGAGGAAAAGGAGTATGAGTTTGATGGCTTT
 GAAGAAGTGGCCCTGCCTGATGTGGAAGAAGAGGAGGAGCCTCCCAAGATACCCACAGCC
 TCAAAGAACAGAGGAAAAAGAGATCGGGGTCCAAAATCATGATAAGGAGACTGAATGG
 CCAGATGGGGCCAAAGACTGTGCCTGCTCCTGCCATGAAGGAGTCCAGATTCCAAGCTG
 AAGAAGAGCAAAAGGCGGAGCTGTAGCCACTGTAGCAGCAAGTCTGTGACAGCAAAATCC
 TACAAGAGCAAGGAGCCCATGAGTTGGTGGGAGCAGCCCCACCGAGAGGCTAGTCCT
 ATGCCTGGTGCTAAGGAAGCTGGGCAAGGATATGATGGAAGAGGAAGCCCCAGAG
 GAGCGGAGAGCACTGAGGCCACCCAGAGCAGGACTGTGAGGACCAAGAAAGGGAGAG
 ATGCCTGTTTCAGGATTGGCAGTGGGAGCACTTTGCCATCCCCTCGAGAAGTACTGTT
 ACAGAACGGCTCCTCCTGGATGGCCACCACTCATTACCCAGAGACTCCTCAATTTCCC
 CCCACAACCTGGAGCTGTACTGTACTGTAAAGAGAAACAGGTTGGGCCTGAGGTTCCG
 TCCTGCCCCAAGGCATCCCCAGACTTCAGAAAGAGAGGGAGGGCCAAAGGCAGTGAGT
 GAGTCAGAGGCTTTGATGCTGGTCTGGGATGCATCAGAACTGAGAAATTCCTGGTACC
 GTGGAACCCCTGCTTCTCCTGAGTCTGTTTCTCAAAGACCAGAGATGCAGGGAGA
 AGACATGTGTCGGGAAACCAAGACTCAAGAGAGATGGCTGCCCTCAAGCAGAGCTCGG
 GTGAAGACAAGAGACAGGAGTGCCTGTCCATGAATCTCCATCAGGAATTGACACCTCA
 GAGACTTCTCCAAAGCCCTAGAGGGGTTTGGCTAAAGACAGTGAACACAGGCCAAG
 GGTCCAGAGGGGAGCAGCAGCCAAAGGCCGAGAAAGTACGGTGTGTGCCAACAACAGC
 AAGGTGAGTCCACTGGGAAAAGGTTGTCTGTGGACAAGGGAAGCTGACCGTGTGATC
 CTCACCATGTGCCAGGAGCAAGGGGACAGCCACAGACCTTCAACATCATCTCCAGCAG
 CTGGGAAATAAGACCCCTGCTGAGGTTTCCACCGTTTTCGAGAACTCATGCAGCTCTTC
 CACACTGCCTGTGAAGCCAGCTCTGAGGATGAGGATGATGCAACCAAGTACCAGCAATGCA
 GACCAGCTGTCTGACCATGGGGACCTTCTGTCTGAAGAGGAGCTGGATGAATGA

Clone variation with respect to NM_017710.1

5' Read Nucleotide

Sequence:

>OriGene 5' read for NM_017710 unedited

NGGGTTCAAATTTGTATACGACTCATATAGCGCGCCGNAATTCGCACGAGGGNAATTC
 TCAGNAGGAGAAGCTCTGAGCCANAAGAAGAGAGGAAGAAGAAGCAGAAGGAATGGAAGC
 CTGCAGAAAAGAGGATGAAATGACGGATGAAGCAGTTGGAGACTCTGCTGAGAAGCCTCCT
 ACTTTTGCTTCACCTGAGACTGCTCCAGAAGTGGAGACCAGCAGAACTCCACCAGGAGAG
 AGCATCAAAGCTGCTGGAAGGCGGGAACAATCATCGAGCTCGCAACAAGCGGGGAAGT
 CGGGCTCGGGCCAGCAAGGACACCTCCAAGCTGCTGTTGCTGTATGATGAGGACATTCTC
 GAGCGAGATCCACTCAGGAGCAGAAAGACTTGGCCTTTGCCAAGCTTATCTGACCAGG
 GTGCGAGAAGCCCTACAACATATCCCTGGCAAGTATGAAGACTTCTTCAAGTCACTAT
 GAATTTGAGTCAAGTACCCAGAGACGACGGCTGTAGATCTCTACAAAAGCCTGCAAAAT
 CTGCTCCAAGACTGGCCTCAGCTGTTGAAAGACTTTGCTGCTTTCCTGTTACCTGAGCAA
 GCTCTGGCCTGTGATTATTTGAGGAGCAGCAGGCTTTTGAGAAGAGCCCAAGTTCCTT
 CGGCAGCTGGAGATTTGCTTTGCAGAGAACCCTCACACCACCAGAAGATTATCAAGGTC
 CTCAAAGGCTGTGCAGACTGCCTTCCCCAGNAGATCACCGAGCTCAAGAACAGATGTGGC
 AGCTCCTCAAGGCCACGACCACTGCAGGATGAGTTNTCTATCTTCTTTGACCACTTGCG
 CCCAGCAGCTAGCCGATGGGTGACTCTGAAGAGATCAATTGGACTGAGA

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_017710 unedited <pre> GTCCGCGGCCGCAATCTAGGATCGAGTTTTTTTTTTTTTTTTTAAACAGTTAAACATTCC TTTATTCACCCTATGGCTCCCCAAAAAACATTCTCCTCTGGAGTACTGGTGTACTAAGG GGACAATACACCAATTTGTTGAGTTTACAATCAAGTCTACTAAGGTTGGACTTCCTTAT CAGTTTGGCGAGTCCCAGGGCAGAATAATCATCCATCTACAGGTCTCTGTTTCTCTCCC TCCACAGCAGTGGAGAGCATCCAGTGTTTGGGGCACTGTGTTCTCTTCGTCCTGCAC CAGACCCTGGAAGCCTTGGCCAGAGACCTACCAAACCTGACTTGGCGCGCTGGGCCAGC TTCATGGATGCTGGAGTGGAGCACGATGACGTAGCAAAGCTGCTGCAGGAGCTACAAAGC CTGGCCCACTGCTACCAGGGTGGTGACAGCCTCGTGGACTAAAGTCCCAGTGTGGGAGA AAGGAGCTAGTTTGAATAAAAAACAGCTGGATGCAGGAGCCAGTGTCTTCATGCAGAGG AGCTCAATGTGCGGGGACTAGCTACACCAACATATGCACCTTTTACATTAGAAACACTG TGATTAGACCACAGAACAATAAATATGTGCCATCAGACCAAAAAAAGTAGAGAAAGGAG CTGAACTCCACTCTCGATGCTATTTACAGAGGACATCTGTAAGTCTTCATAAAAGACCT TGAATGATGCCATAGGATGGCAGAGCCCTGGGTCCTACTCCATCCTCCAGCCTTTGTCCT TGTCTGGCCTCCTGCTCTCCAGATCTGTAAGTGGGCTCAAGGACTGTANCAGCAGAGT ACAACTACCCCTTCCCGTGCCAGGCGCCTGTNNGGTTTGGTCTGTGTANATGATTN CCCAGATCTCATTATCCAGCTCTCTCAGACAGAAGGTCCCATGGTCAC </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_017710
Insert Size:	3540 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_017710.1 , NP_060180.1
RefSeq Size:	2994 bp
RefSeq ORF:	2994 bp
Locus ID:	54856

Cytogenetics: 1q22

Gene Summary: Has transcriptional repressor activity, probably as part of a complex with YY1, SIN3A AND HDAC1. Required for B cell lymphopoiesis.[UniProtKB/Swiss-Prot Function]