

Product datasheet for SC118706

Galectin 3 (LGALS3) (NM_002306) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galectin 3 (LGALS3) (NM_002306) Human Untagged Clone
Tag:	Tag Free
Symbol:	Galectin 3
Synonyms:	CBP35; GAL3; GALBP; GALIG; L31; LGALS2; MAC2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_002306 edited GAATTCGGCACCAGAGCAGCCGTCGGAGCCAGCCAACGAGCGGAAAATGGCAGACAATT TTTCGCTCCATGATGCGTTATCTGGGTCTGGAAACCCAAACCCTCAAGGATGGCCTGGCG CATGGGGGAACAGCCTGCTGGGGCAGGGGGCTACCCAGGGGCTTCTATCCTGGGGCCT ACCCCGGGCAGGCACCCCGAGGGCTTATCCTGGACAGGCACCTCCAGGCGCCTACCCTG GAGCACCTGGAGCTTATCCCGGAGCACCTGCACCTGGAGTCTACCCAGGGCCACCCAGCG GCCCTGGGGCCTACCCATCTTCTGGACAGCCAAGTCCACCGGAGCCTACCCTGCCACTG GCCCTATGGCGCCCTGCTGGGCCACTGATTGTGCCTTATAACCTGCCTTTGCCTGGGG GAGTGGTGCCTCGCATGCTGATAACAATTCTGGGCACGGTGAAGCCCAATGCAAACAGAA TTGCTTTAGATTTCCAAAGAGGGAATGATGTTGCCTTCCACTTTAACCCACGCTTCAATG AGAACAACAGGAGAGTCATTGTTTGCAATACAAAGCTGGATAATAACTGGGGAAGGGAAG AAAGACAGTCGGTTTTCCATTTGAAAGTGGGAAACCATTCAAAAATACAAGTACTGGTTG AACCTGACCACTCAAGTTGCACTGAATGATGCTCACTTGTGCACTACAATCATCGGG TAAAAAACTCAATGAAATCAGCAAACCTGGGAATTTCTGGTGACATAGACCTCACCAGTG CTTCATATACCATGATATAATCTGAAAGGGGCAGATTAACCAAAAAAAAAAAAAAAAAAACTCG AC



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5' Read Nucleotide Sequence:

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>OriGene 5' read for NM_002306 unedited
NNNGGTTCGAATTTTGTAAACGACTACTATAGGGCGGCNCGCGAATCGGCACCCAGAGC
AGCCGTCGGGAGCCAGCCAACGAGCGGAAAAATGGCAGACAATTTTTCGCTCCATGATGCG
TTATCTGGGTCTGAAACCCAAACCCTCAAGGATGGCCTGGCGCATGGGGGAACCCAGCCT
GCTGGGGCAGGGGGCTACCCAGGGGCTTCTATCTGGGGCTACCCCGGCAGGCACCC
CCAGGGGCTTATCTGGACAGGCACCTCCAGGCGCCTACCCTGGAGCACCTGGAGCTTAT
CCCGGAGCACCTGCACCTGGAGCTACCCAGGGCCACCCAGCGGCCCTGGGGCCTACCCA
TCTTCTGGACAGCAAGTGCCACCGAGCCTACCCTGCCACTGGCCCTATGGCGCCCT
GCTGGGCCACTGATTGTGCCTTATAACCTGCCTTTGCCTGGGGAGTGGTGCCTCGCATG
CTGATAACAATTCTGGGCACGGTGAAGCCCAATGCAAACAGAATTGCTTTAGATTCCAA
AGAGGGAAATGATGTTGCCTTCCACTTTAACCCACGCTTCAATGAGAACAACAGGAGATC
ATTGTTTGCAATACAAGCTGGATAATAACTGGGAAGGGAAGAAAGACAGTCGGTTNTC
CCATTTGAAAGTGGGAAACCATTCAAAATACAAGTACTGGGTTGAACCTGACCACTTCAA
GGTTGCAGTGAATGATGCTCACTTGTGTCAGTACAATCATCGGGTAAAAAACTCAATGA
AAATCAGCAACTGGNGAATTTCTGGTGACATAGACCTCACCAGTCTTCATATACCATGA
TATAATCTGAAGGGGGCAGATAAAAAAAAAAAAAAAAAACTCGCTCTAGATGCGGCCGCGT
CATAGCTGTTCTGAAAGATCCCGGTGGCATCCTGTGACC
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3' Read Nucleotide Sequence:

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>OriGene 3' read for NM_002306 unedited
GGGGGNNNNNGGGGGNNNNNNNNNNNNNTNNNNNNNNNNNTTTTTGACTTTGNACCGCG
GNCCCCGAAGTAGNGATCGGTTTTTTTTTTTTTTTTTAACTGCCCCTTTCAAATATA
TCATGGTATATGAAGCACTGGTGGAGTCTATGTCACCAGAAAATCCAGTTTGTGATTT
CATTGAGTTTTTAAACCGATGATTGTACTGCAACAAGTGAAGTCACTTCACTGCAACCT
TGAAGTGGTCAAGTTCAACCACTGTTGATTTGAATGGTTCCCACTTCAAATGGGA
AAACCGACTGTCTTTCTCCCTTCCCCAGTTATTATCCAGCTTTGTATTGCAAACAATGA
CTCTCCTGTTGTTCTCATTGAAGCGTGGGTTAAAGTGGAAAGCAACATCATTCCCTCTTT
GGAAATCTAAAGCAATTCTGTTTGCATTGGGCTTACCCTGCCAGAAATGTTATCAGCA
TGCGAGGCACCACTCCCCAGGCAAGGCGAGGTTATAAGGCACAATCAGTGGCCAGCAG
GGGCGCCATAGGGGCCAGTGGCAGGGTAGGCTCCGGTGGCACTTGGCTGTCCAGAAGATG
GGTAGGCCCCAGGGCCGCTGGGTGGCCCTGGGTAGACTCCAGGTGCAGGTGCTCCGGGAT
AAGCTCCAGGTGCTCCAGGGTAGGCGCCTGGAGGTGCTGTCCAGGATAAGCCCCCTGGG
GTGCTGCCNCGGTTAGGCCCCAGGATAGGAAGCCCCCTGGTAGCCCCCTGCCCCAGCAG
GCTGGTCCCCCATGCGCCAGCCATCCTTGAGGGNTTTGGTTNCCAGACCCAGATAACG
CATCATGGAGCGAAAAATGTCTGCCATTTCCGCTCGTTGGCTGGCTCCGGACGGCTGC
TCTTGTGCCGAATTCCCGNCCGCCCTATAGTGAGTCGTATTACN
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Restriction Sites:

NotI-NotI

ACCN:

NM_002306

Insert Size:

950 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:	<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_002306.1 , NP_002297.1
RefSeq Size:	914 bp
RefSeq ORF:	753 bp
Locus ID:	3958
UniProt ID:	P17931
Cytogenetics:	14q22.3
Domains:	Gal-bind_lectin
Protein Families:	Secreted Protein
Gene Summary:	<p>This gene encodes a member of the galectin family of carbohydrate binding proteins. Members of this protein family have an affinity for beta-galactosides. The encoded protein is characterized by an N-terminal proline-rich tandem repeat domain and a single C-terminal carbohydrate recognition domain. This protein can self-associate through the N-terminal domain allowing it to bind to multivalent saccharide ligands. This protein localizes to the extracellular matrix, the cytoplasm and the nucleus. This protein plays a role in numerous cellular functions including apoptosis, innate immunity, cell adhesion and T-cell regulation. The protein exhibits antimicrobial activity against bacteria and fungi. Alternate splicing results in multiple transcript variants.[provided by RefSeq, Oct 2014]</p> <p>Transcript Variant: This variant (1) encodes isoform 1.</p>