

Product datasheet for **SC325685**

LGALS12 (NM_001142538) Human Untagged Clone

Product data:

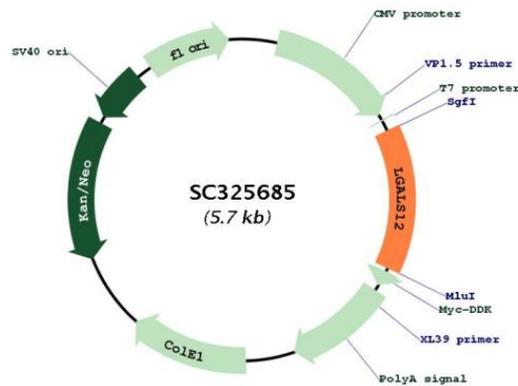
Product Type:	Expression Plasmids
Product Name:	LGALS12 (NM_001142538) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGALS12
Synonyms:	GAL12; GRIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325685 representing NM_001142538. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTCATGCTGCAAGGAGTGGTCCCTCTAGATGCACACAGGTTTCAGGTGGACTCCAGTGTGGCTGC
AGCCTGTGTCCCCGGCCAGATATCGCCTTCCACTTCAACCCTCGTTCCATACCACCAAGCCCCATGTC
ATCTGCAACACCCTGCATGGTGGACGCTGGCAAAGGGAGGCCCGGTGGCCCCACCTGGCCCTGCCAAGA
GGCTCCAGCTTCCCTCATCTCTTCTCTCGGGAATGAGGAAGTGAAGGTGAGTGTGAATGGACAGCAC
TTTCTCCACTTCCGCTACCGCTCCCACTGTCTCATGTGGACACGCTGGGTATATTTGGTACATCCTG
GTAGAGGCTGTTGGATTCTGAACATCAATCCATTTGTGGAGGCAGCAGAGGTACCCAGCTGGACAT
GAGGTGCCCTGCTCACATGCTCTTCCCCAGGGTCTCTCGCTGGGCAGGTCATCATAGTACGGGGACTG
GTCTTGCAAGAGCCGAAGCATTTTACTGTGAGCCTGAGGGACCAGGCTGCCCATGCTCCTGTGACTC
AGGGCCTCCTTCGCAGACAGAATCTGGCCTGGATCTCCCCTGGGGCAGAAGAACTGATCTCAGCC
CCCTTCTCTTTTACCCAGAGATTCTTTGAGGTGCTGCTCCTGTTCCAGGAGGGAGGGCTGAAGCTG
GCGCTCAATGGGCAGGGGCTGGGGCCACCAGCATGAACCAGCAGGCCCTGGAGCAGCTGCCGGAGCTC
CGGATCAGTGAAGTGTCCAGCTCTACTGTGTCCACTCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001142538

Insert Size: 801 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).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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_001142538.1](#)

RefSeq Size: 1796 bp

RefSeq ORF: 801 bp

Locus ID: 85329

UniProt ID: [Q96DT0](#)

Cytogenetics: 11q12.3

MW: 30 kDa

Gene Summary: This gene encodes a member of the galectin superfamily, a group of beta-galactoside-binding proteins with conserved carbohydrate recognition domains. The related mouse protein is a primary regulator of the early stages of adipose tissue development. Alternatively spliced transcript variants encoding different isoforms have been described. [provided by RefSeq, May 2010]

Transcript Variant: This variant (5) differs in the 5' UTR, uses an alternate in-frame splice site in the 5' coding region, lacks a coding exon, and initiates translation from a downstream start codon, compared to variant 1. The resulting protein (isoform 5) is shorter compared to isoform 1.