

Product datasheet for **SC325774**

LGALS12 (NM_001142536) Human Untagged Clone

Product data:

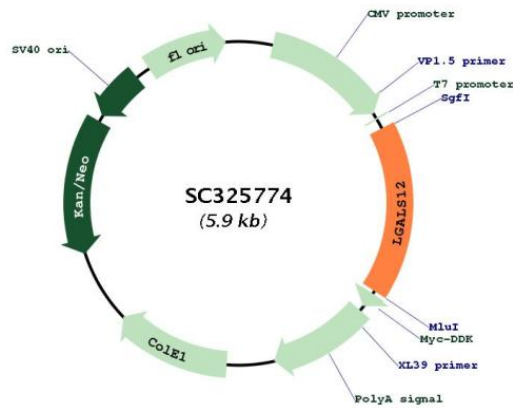
Product Type:	Expression Plasmids
Product Name:	LGALS12 (NM_001142536) Human Untagged Clone
Tag:	Tag Free
Symbol:	LGALS12
Synonyms:	GAL12; GRIP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC325774 representing NM_001142536. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAGTCAGCCCAGTGGGGCAGGGCTCCTGGAACGAGGATCTACAGTTGGAGTTGCCCACTGTCATG
TCACCTGGAGAAAACTGGACCAATTCCTGACAGCTTATTCTGCAACCACCGAGCTTCCACCCGGTG
GTTCTTATGTCACGACGATTTTGGAGGCTGCATGCAGGCAAGATGGTCATGCTGCAAGGAGTGGTC
CCTCTAGATGCACACAGGTTTCAGGTGGACTTCCAGTGTGGCTGCAGCCTGTGTCCCGGCCAGATATC
GCCTTCCACTTCAACCCTCGCTTCCATACCACCAAGCCCATGTCATCTGCAACACCCTGCATGGTGA
CGCTGGCAAAGGGAGGCCGGTGGCCCCACCTGGCCCTGCGAAGAGGCTCCAGCTTCTCATCTCTTT
CTTTCGGGAATGAGGAAGTGAAGGTGAGTGTGAATGGACAGCACTTCTCCACTCCGCTACCGGCTC
CCTGTCTCATGTGGACACGCTGGGTATATTTGGTGACATCCTGGTAGAGGCTGTTGGATTCTGAAC
ATCAATCCATTTGTGGAGGGCAGCAGAGAGTACCCAGCTGGACATGAGGTGCCCTGCTCATGCTCTT
CCCCAGGGTCTCTCGCTGGGCAGGTATCATAGTACGGGGACTGGTCTTGAAGAGCCGAAGCATTTT
ACTGTGAGCCTGAGGGACCAGGCTGCCATGCTCCTGTGACACTCAGGGCCTCCTTCGACAGAGAAT
CTGGCCTGGATCTCCCGTGGGGCAGAAAGAACTGATCTCAGCCCCCTTCTCTTTACCCAGAGA
TTCTTTGAGGTGCTCCTGTTCAGGAGGGAGGGCTGAAGCTGGCGCTCAATGGCAGGGGCTGGGG
GCCACCAGCATGAACCAGCAGGCCCTGGAGCAGCTGCGGGAGCTCCGGATCAGTGAAGTGTCCAGCTC
TACTGTGTCCACTCCTGA
ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001142536

Insert Size: 984 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_001142536.1](#)

RefSeq Size: 1706 bp

RefSeq ORF: 984 bp

Locus ID: 85329

UniProt ID: Q96DT0

Cytogenetics: 11q12.3

MW: 36.5 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 (3) uses an alternate in-frame splice site in the coding region and lacks a coding exon compared to variant 1. The resulting protein (isoform 3) is shorter but has the same N- and C-termini compared to isoform 1.