

Product datasheet for **SC303737**

GAL4 (LGALS4) (NM_006149) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: GAL4 (LGALS4) (NM_006149) Human Untagged Clone
Tag: Tag Free
Symbol: GAL4
Synonyms: GAL4; L36LBP
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_006149 edited
 CTCTTCTCACAGGACCAGCCACTAGCGCAGCCTCGAGCGATGGCCTATGTCCCCGCACCG
 GGCTACCGACCCACCTACAACCCGACGCTGCCTTACTACCAGCCCATCCCGGGCGGGCTC
 AACGTGGGAATGTCTGTTTACATCCAAGGAGTGGCCAGCGAGCACATGAAGCGGTTCTTC
 GTGAACCTTTGTGGTTGGGCAGGATCCGGGCTCAGACGTCGCCTTCCAATTCAATCCGCGG
 TTTGACGGCTGGGACAAGGTGGTCTTCAACACGTTGCAGGGCGGGAAGTGGGGCAGCGAG
 GAGAGGAAGAGGAGCATGCCCTTCAAAAAGGGTGCCGCCCTTGGAGCTGGTCTTCATAGTC
 CTGGCTGAGCACTACAAGGTGGTAAATGAAATCCCTTCTATGAGTACGGGCACCGG
 CTTCCCTACAGATGGTCACCCACCTGCAAGTGGATGGGGATCTGCAACTTCAATCAATC
 AACTTCATCGGAGGCCAGCCCTCCGGCCCCAGGGACCCCGATGATGCCACCTTACCCT
 GGTCCCGGACATTGCCATCAACAGCTGAACAGCCTGCCACCATGGAAGGACCCCAACC
 TTCAACCCGCTGTGCCATATTTTCGGGAGGCTGCAAGGAGGGCTCACAGCTCGAAGAACC
 ATCATCATCAAGGGCTATGTGCCTCCACAGGCAAGAGCTTTGCTATCAACTTCAAGGTG
 GGCTCCTCAGGGGACATAGCTCTGCACATTAATCCCCGCATGGGCAACGGTACCCTGGTC
 CGGAACAGCCTTCTGAATGGCTCGTGGGGATCCGAGGAGAAGAAGATCACCCACAACCCA
 TTTGGTCCCGGACAGTCTTTGATCTGTCCATTCGCTGTGGCTTGGATCGCTTCAAGGTT
 TACGCCAATGGCCAGCACCTCTTTGACTTTGCCATCGCCTCTCGGCCTTCCAGAGGGTG
 GACACATTGAAATCCAGGGTGTGTACCTTGTCCATGTCCAGATCTAATCTATTCT
 GGGGCCATAACTCATGGGAAAACAGAATTATCCCCTAGGACTCCTTTCTAAGCCCTAAT
 AAAATGTCTGAGGGTGAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire
ACCN: NM_006149
Insert Size: 1100 bp



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: The ORF of this clone has been fully sequenced and found to be a perfect match to NM_006149.2.

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_006149.2](#), [NP_006140.1](#)

RefSeq Size: 1117 bp

RefSeq ORF: 972 bp

Locus ID: 3960

UniProt ID: [P56470](#)

Cytogenetics: 19q13.2

Gene Summary: The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. The expression of this gene is restricted to small intestine, colon, and rectum, and it is underexpressed in colorectal cancer. [provided by RefSeq, Jul 2008]