

Product datasheet for **RG209552**

Galectin 2 (LGALS2) (NM_006498) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Galectin 2 (LGALS2) (NM_006498) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: Galectin 2
Synonyms: HL14
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG209552 representing NM_006498
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGATCGCC**

ATGACGGGGAACTTGAGGTTAAGAACATGGACATGAAGCCGGGGTCAACCCTGAAGATCACAGGCAGCA
 TCGCCGATGGCACTGATGGCTTTGTAATTAATCTGGGCCAGGGGACAGACAAGCTGAACCTGCATTTCAA
 CCCTCGTTCAGCGAATCCACCATTGTCTGCAACTCATTGGACGGCAGCAACTGGGGCAAGAACAACGG
 GAAGATCACCTGTGCTTCAGCCCAGGGTCAGAGGTCAAGTTCACAGTGACCTTTGAGAGTGACAAATTCA
 AGGTGAAGCTGCCAGATGGGCACGAGCTGACTTTCCCAACAGGCTGGGTACAGCCACCTGAGCTACCT
 GAGCGTAAGGGCGGGTTCAACATGTCTCTTTCAAGTTAAAAGAA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG209552 representing NM_006498
 Red=Cloning site Green=Tags(s)
 MTGELEVKNMDMKPGSTLKITGSIADGTDGFVINLGQGTDKLNLHFNPRFSESTIVCNSLDGSNWGQEQR
 EDHLCFSPGSEVKFTVTFESDKFKVKLPDGHELTFPNRLGSHLSYLSVRGGFMSSFKLKE

TRTRPLE - GFP Tag - V

Restriction Sites: Sgfl-MluI



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Cloning Scheme:


ACCN: NM_006498

ORF Size: 396 bp

OTI Disclaimer: 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: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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.

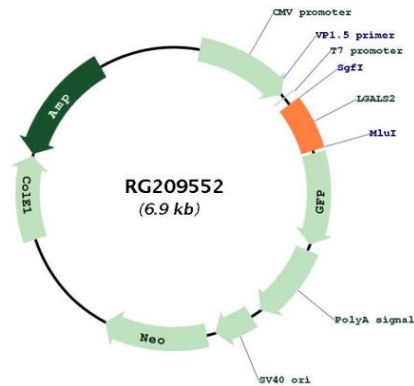
RefSeq: [NM_006498.3](#)

RefSeq Size: 543 bp

RefSeq ORF: 399 bp

Locus ID: 3957
UniProt ID: [P05162](#)
Cytogenetics: 22q13.1
Domains: Gal-bind_lectin
Gene Summary: The protein encoded by this gene is a soluble beta-galactoside binding lectin. The encoded protein is found as a homodimer and can bind to lymphotoxin-alpha. A single nucleotide polymorphism in an intron of this gene can alter the transcriptional level of the protein, with a resultant increased risk of myocardial infarction. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG209552