OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for RG217951

Galectin 8 (LGALS8) (NM_201545) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galectin 8 (LGALS8) (NM_201545) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	LGALS8
Synonyms:	Gal-8; PCTA-1; PCTA1; Po66-CBP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG217951 representing NM_201545
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGTTGTCCTTAAACAACCTACAGAATATCATCTATAACCCGGTAATCCCGTTTGTTGGCACCATTC
CTGATCAGCTGGATCCTGGAACTTTGATTGTGATACGTGGGCATGTTCCTAGTGACGCAGACAGATTCCA
GGTGGATCTGCAGAATGGCAGCAGCATGAAACCTCGAGCCGATGTGGCCTTTCATTTCAATCCTCGTTTC
AAAAGGGCCGGCTGCATTGTTTGCAATACTTTGATAAATGAAAAATGGGGACGGGAAGAGATCACCTATG
ACACGCCTTTCAAAAGAGAAAAGTCTTTTGAGATCGTGATTATGGTGCTGAAGGACAAATTCCAGGTGGC
TGTAAATGGAAAACATACTCTGCTCTATGGCCACAGGATCGGCCCAGAGAAAATAGACACTCTGGGCATT
TATGGCAAAGTGAATATTCACTCAATTGGTTTTAGCTTCAGCTCGGACTTACAAAGTACCCAAGCATCTA
GTCTGGAACTGACAGAGATAAGTAGAGAAAATGTTCCAAAGTCTGGCACGCCCCAGCTTCCTAGTAATAG
AGGAGGAGACATTTCTAAAATCGCACCCAGAACTGTCTACACCAAGAGCAAAGATTCGACTGTCAATCAC
ACTTTGACTTGCACCAAAATACCACCTATGAACTATGTGTCAAAGAGGCTGCCATTCGCTGCAAGGTTGA
ACACCCCCATGGGCCCTGGACGAACTGTCGTCGTTAAAGGAGAAGTGAATGCAAATGCCAAAAGCTTTAA
TGTTGACCTACTAGCAGGAAAATCAAAGGATATTGCTCTACACTTGAACCCACGCCTGAATATTAAAGCA
TTTGTAAGAAATTCTTTTCTTCAGGAGTCCTGGGGAGAAGAAGAGAGAAATATTACCTCTTTCCCATTTA
GTCCTGGGATGTACTTTGAGATGATAATTTATTGTGATGTTAGAGAATTCAAGGTTGCAGTAAATGGCGT
ACACAGCCTGGAGTACAAACACAGATTTAAAGAGCTCAGCAGTATTGACACGCTGGAAATTAATGGAGAC
ATCCACTTACTGGAAGTAAGGAGCTGG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

View online »

Protein Sequence:

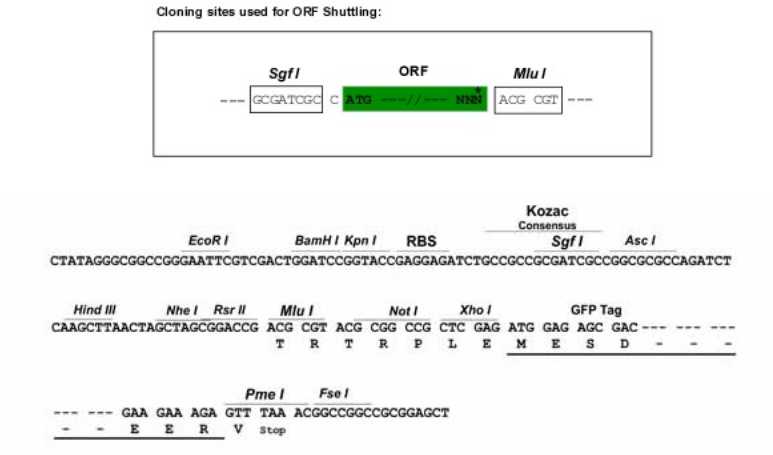
>RG217951 representing NM_201545
Red=Cloning site Green=Tags(s)

MMLSLNNLQNIIYNPVIPFVGTIPDQLDPGTLIVIRGHVPSDADRFQVDLQNGSSMKPRADVAFHFNPRF
KRAGCIVCNTLINEKWGREEITYDTPFKREKSFEIVIMVLKDKFQVAVNGKHTLLYGHRIGPEKIDTLGI
YGKVNIHSIGFSFSSDLQSTQASSLELTEISRENVPKSGTPQLPSNRGGDISKIAPRTVYTKSKDSTVNH
TLTCTKIPPMNYVSKRLPFAARLNTPMGPGRTVVVKGEVNANAKSFNVDLLAGKSKDIALHLNPRLNIKA
FVRNSFLQESWGEEERNITSFPFSPGMYFEMIIYCDVREFKVAVNGVHSLEYKHRFKELSSIDTLEINGD
IHLLEVRSW

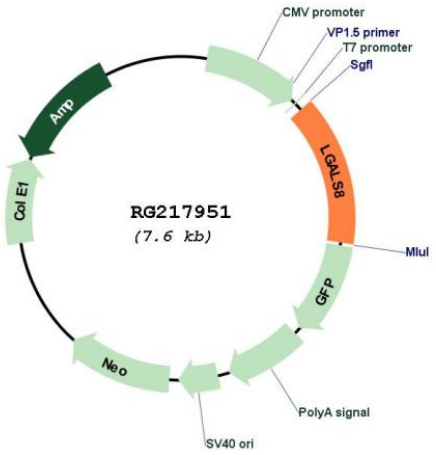
TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_201545

ORF Size:	1077 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_201545.2
RefSeq Size:	2815 bp
RefSeq ORF:	1080 bp
Locus ID:	3964
UniProt ID:	O00214
Cytogenetics:	1q43
Gene Summary:	This gene encodes a member of the galectin family. Galectins are beta-galactoside-binding animal lectins with conserved carbohydrate recognition domains. The galectins have been implicated in many essential functions including development, differentiation, cell-cell adhesion, cell-matrix interaction, growth regulation, apoptosis, and RNA splicing. This gene is widely expressed in tumoral tissues and seems to be involved in integrin-like cell interactions. Alternatively spliced transcript variants encoding different isoforms have been identified. [provided by RefSeq, Jul 2008]