

## Product datasheet for **RR208589**

### Lgals8 (NM\_053862) Rat Tagged ORF Clone

#### Product data:

**Product Type:** Expression Plasmids  
**Product Name:** Lgals8 (NM\_053862) Rat Tagged ORF Clone  
**Tag:** Myc-DDK  
**Symbol:** Lgals8  
**Vector:** pCMV6-Entry (PS100001)  
**E. coli Selection:** Kanamycin (25 ug/mL)  
**Cell Selection:** Neomycin  
**ORF Nucleotide Sequence:** >RR208589 representing NM\_053862  
**Red=Cloning site Blue=ORF Green=Tags(s)**

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGTTGTCCTTAAGCAATCTACAAAATATCATCTATAACCCGACAATCCCCTATGTCAGTACCATTACTG  
AGCAGTTGAAGCCTGGCTCTTTGATCGTGATCCGTGGCCATGTTCTAAAGATTCAGAAAGATTCCAAGT  
AGACTTTCAGCATGGCAACAGCCTGAAGCCGAGAGCTGATGTGGCCTTCCACTTTAACCCTCGTTCAAA  
AGGTCCAAGTGCATTGTTTGTAACACACTGACAAATGAGAAATGGGGCTGGGAGGAGATCACCCACGACA  
TGCCCTTCAGAAAAGAAAAGTCCTTTGAGATTGTGATCATGGTGCTAAAGAACAATTCCAGGTGGCTGT  
GAATGGAAAGCACATTCTGCTGTATGCCACAGGATCAACCCAGAGAAGATAGACACACTGGGCATCTAC  
GGCAAAGTGAACATTCCTCCATCGGGTTCAGATTCAGCTCGGATTTACAGAGTATGAAACATCTACTC  
TGGGACTGACACAGATAAGTAAAGAAAATACAAAAGTCTGGCAAGCTCCATTTGAGCCTGCCATTTGA  
AGCAAGTTGAATGCCTCCATGGGCCCTGGACGAACCGTTGTCGTTAAAGGAGAAGTGAATACAAATGCC  
AAAAGCTTTAATGTTGACCTAGTGGCAGGAAGGTCAAGGGATATCGCTCTGCACTTGAACCCACGCCTGA  
ATGTGAAAGCGTTTGTAAGAACTCCTTTCTTCAGGATGCCTGGGAGAAGAGGAGAGAAACATTACCTG  
CTTCCATTTAGTTCTGGGATGACTTTGAGATGATAATTTACTGTGATGTCGAGAGTTCAAGGTTGCA  
GTAATGTTGTGCACAGCCTGGAGTACAAGCACAGATTTAAAGACCTAAGCAGCATCGACACACTAGCAG  
TTGATGGCGATATCCGTTTGCTGGATGTAAGGAGCTGG

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >RR208589 representing NM\_053862  
 Red=Cloning site Green=Tags(s)

MLSLSNLQNIYNTIPYVSTITEQLKPGSLIVIRGHVPKDSERFQVDFQHGNSLKPRADVAFHFNPRFK  
 RSNICVNTLTNEKWGWEEITHDMPFRKEKSFEIVIMVLKNKFQVAVNGKHILLYAHNRINPEKIDTLGIY  
 GKVNIHISIGFRFSSDLQSMETSTLGLTQISKENIQKSGKLHLSLPFEARLNASMGPGRTVVVVKGEVNTNA  
 KSFNVDLVAGRSDIALHLNPRNLNVKAFVRNSFLQDAWGEEERNITCFPFSSGMYFEMIIYCDVREFKVA  
 VNGVHSLEYKHRFKDLSSIDTLAVDGDIRLLDVRWS

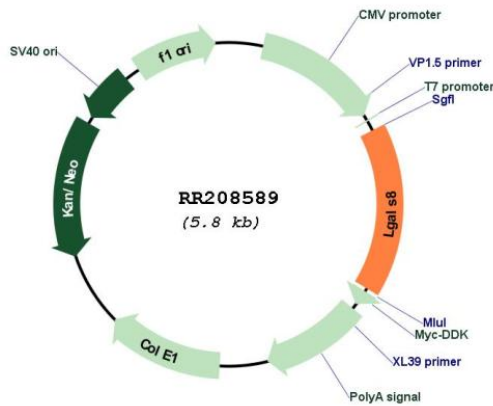
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:** NM\_053862

<b>ORF Size:</b>	948 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_053862.2</a> , <a href="#">NP_446314.2</a>
<b>RefSeq Size:</b>	2525 bp
<b>RefSeq ORF:</b>	951 bp
<b>Locus ID:</b>	116641
<b>Cytogenetics:</b>	17q12.1
<b>MW:</b>	36.1 kDa
<b>Gene Summary:</b>	a S-type lectin; possesses sugar binding and hemagglutination activity [RGD, Feb 2006]