

## Product datasheet for **MG224453**

### Lgals3bp (NM\_011150) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Lgals3bp (NM_011150) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Lgals3bp
Synonyms:	90K; CyCAP; MAC-2BP; Ppicap; Tango10b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>MG224453 representing NM\_011150  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**GCGATCGCC**

ATGGCTCTCTGTGGCTCCTCTCTGTGTTCTTGTGTTCCAGGGACTCAAGGTACAGAAGATGGAGACA  
 TGCCTTGGTTAACGGGGCCTCAGCCAATGAGGGCCGCTGGAGATCTTCTACAGAGCCGGTGGGGGAC  
 AGTGTGTGACAACCTCTGGAACCTTTTGGATGCCACGTCGTCGTCGCCGGCCCTGGGCTATGAGAACGCC  
 ACCCAAGCACTGGGCAGAGCTGCCTTCGGGCCAGGAAAGGGACCGATCATGCTGGATGAGGTGGAATGTA  
 CAGGGACCGAGTCTCACTGGCCAGTTGCAGATCCCTGGTTGGATGGTGGAGCCGCTGTGGGCACAGAA  
 GGACGCAGGCGTGGTCTGCTCCAACGATACCACGGGGCTCACATCCTGGACCTCTCTGGAGAGCTCTCA  
 GATGCACTGGCCAGATCTTGACAGCCAGCAGGGCTGCGACCTATTCATCCAGGTGACAGGGCAGGGGT  
 ATGAGGACCTGAGCCTCTGTGCCACACGCTGATCCTGCGCACCAACCCGAGGCCAGGCCCTGTGGCA  
 AGTGGTGGGCAGCAGCGTCATCATGAGAGTGGATGCTGAGTGCATGCCTGTCGTCAGAGACTTCTCAGG  
 TACTTTTACTCCCGAAGAATCGAGGTGAGCATGTCTTCTGTTAAGTGCTTGCACAAGCTAGCCTCTGCC  
 ATGGGGCCACAGAGCTTCAAGACTACTGTGGACGGCTTTTGGCCACCCTCTCCCAAGACCCCACTTT  
 CCATACTCCCTTGGACCTTATGCGTACGCACGGGCCACCGGGGACTCTATGCTGGAAGATCTGTGTGTA  
 CAGTTTCTGGCCTGGAACCTTCGAGCCTCTGACACAGTCTGAGTCTGGTGGGCTGTTCCACACCTTGA  
 TCCAGGCTCTCTCCCAAGAGTGGCTGGTGTGTCTAGTGAGCTGGATCTGCTGAAGGCAGTGGACCA  
 GTGGAGCACAGAAACATTGCCCTCACACGAGGATATAGAGCGCCTGGTGGAAACAGTCCGCTTCCCATG  
 ATGCTGCCCGAGGAGCTGTTGAGCTGCAGTTCAACCTGTCTTGTACCAAGATCACCAGGCACTGTTCC  
 AGAGAAAGACCATGCAGGCTTGGAGTTCACACAGTGCCTGTGCAAGTGGCTGGCCAAAGTACAAAGGCC  
 GAACCTCACGGAGGACACCTACAAGCCCGCCTTTACACCTCTTCCACCTGGAGTAGCTTGGTGTGGCC  
 TCCACCTGGAGGGCACAAAGATATGAATACAATCGATAACAATCAGCTCTATACATATGGCTATGGCTCAG  
 TAGCCCGGTACAATAGCTACCAGTCTTCCAAACCCACAAACACCCAGCTTCTCTTCAAGGACAAGCA  
 GATCTCTGGTACGCCACCTACCTCCCAACCATGCAGAGCTGCTGGAACATGGCTTCTCGTGTACTCT  
 AACGAGCTCCCTGTACTGGGCTCACCACATCCAGCTACTCCAATCCGACAATTGGCTATGAGAACAGAG  
 TACTGATCCTCTGCGGAGGCTACAGTGTGGTGGATGTCACCAGCTTGAAGGCTCCAAGGCCCTATTCC  
 CACTGCCCTGGACACCAATAGTTCAGACTCCCTCCCTTTCCCTGTGCCTCAGGGGCCCTTAGCAGC  
 TTCGTTGGTGCATACGCCCTTCTACCTCACTAACTCCACTGACATGGT

**ACGCGTACGCGGCCGCTCGAG** – GFP Tag – GTTTAA

**Protein Sequence:**

>MG224453 representing NM\_011150  
 Red=Cloning site Green=Tags(s)

MALLWLLSVFLLVPGTQGTEDGDMRLVNGASANEGRVEIFYRGRWGTVCNDLWNLDAHVVCRALGYENA  
 TQALGRAAFGPGKPIMLDEVECTGTESLASCRLGWMVSRGHEKDAGVVCSNDTTLHILDLSELSD  
 DALGQIFDSQQGCDLFIQVTGQGYEDLSLCAHTLILRTNPEAQALWQVVGSSVIMRVDAECMPVVRDFLR  
 YFYRRIEVSMSSVKLHKLASAYGATELDYCYGRLFATLLPQDPTFHTPLDLAYARATGDSMLEDLV  
 QFLAWNFEPLTQSESWSAVPTTLIQALLPKSELAVSSELDLLKAVDQWSTETIASHEDIERLVEQVRFPM  
 MLPQELFELQFNLSLYQDHQALFQRKTMQALEFHTVPVEVLAKYKGLNLTEDTYKPRLYTSSTWSSLVMA  
 STWRAQRVEYNRYNQLYTYGYGSVARYNSYQSFQTPQHPSFLFKDKQISWSATYLPMTQSCWNYGFSCTS  
 NELPVLGLTSSYSNPTIGYENRVLILCGYSVVDVTSFEGSKAPIPTALDTNSSKTPSLFPCASGAFSS  
 FRVVIRPFYLTNSTDMV

**TRTRPLE** – GFP Tag – V

**Restriction Sites:**

Sgfl-MluI

Cloning Scheme:



ACCN: NM\_011150

ORF Size: 1731 bp

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](mailto: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](#)

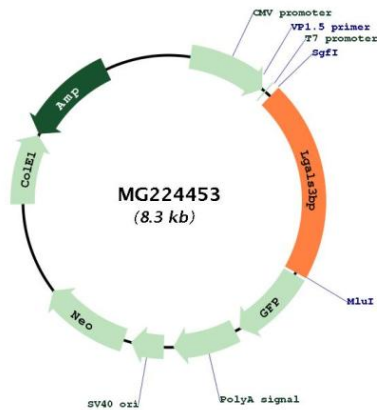
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<u>NM_011150.3</u>
RefSeq Size:	2168 bp
RefSeq ORF:	1734 bp
Locus ID:	19039
UniProt ID:	<u>Q07797</u>
Cytogenetics:	11 E2
Gene Summary:	Promotes integrin-mediated cell adhesion. May stimulate host defense against viruses and tumor cells (By similarity).[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for MG224453