

Product datasheet for **RR209939**

Lgals3bp (NM_139096) Rat Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Lgals3bp (NM_139096) Rat Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Lgals3bp
Synonyms:	CyCAP; MAC2BP; mama; Ppicap
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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ORF Nucleotide Sequence:

>RR209939 representing NM_139096
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGCTCTTCTGTGGCTCCTCTCTGTGTTCTTGTGGTCCAGGACTCAAGGTGCAAAGGATGGAGACA
 TGCCTGGTTAATGGGGCCTCAGCCAGTGAGGGCCGCTGGAGATCTTCTACAGAGCCGGTGGGGGAC
 AGTGTGCGACAACCTCTGGAACCTTTGGATGCCACGTCGTCGCGGGCCCTGGGCTATGAGAATGCT
 ACTCAAGCACTGAGCAGAGCCGCTTCGGGCCAGGAAAGGGACCAATCATGCTGGATGAGGTGGAATGCA
 CAGGGAACGAGTCGCTACTGGCCAATTGACGCTCCCTGGGCTGGATGGTGGAGCCACTGCGGGCATGAGAA
 GGACGCGGGCGTGGTCTGCTCCAACGATTCCAGGGGCATTACATCCTAGACCTCTCTGGAGAGCTCCCA
 GATGCGCTGGGCCAGATCTTGACAGCCAGCAGGACTGCGACCTGTTCCAGGTGACAGGGCAGGGAC
 ATGGGGACTGAGCCTCTGTGCCACACACTGATCCTGCGCACCAACCCGAGGCCAGGCCCTGTGGCA
 AGTGGTGGGCAGCAGTGCATCATGAGAGTGGACGCTGAGTGCATGCCTGTCGTCAGAGACTTCTCAGG
 TACTTTTACTCCCGAAGAATCGAGGTGAGCATGCTTCTGTCAAGTGTCTGCACAAGCTGGCCTCCGCT
 ATGGAGCCACAGAGCTCCAGGGTACTGTGGACGGCTTTTTGTCACCCTCTCCCCAGGACCCACTTT
 CCATACGCCCCTGGAACCTTACGAGTATGCGCAGGCCACCGGGACTCTGTGCTGGAAGATCTGTGTGTG
 CAATTCCTGGCCTGGAACCTCGAGCCTCTGACACAGGCCGAGGCCCTGGTGTCTGTTCCCAATGCCTTGA
 TCCAAGCTCTCTCCCAAGAGCGAGCTGGCTGTGTCCAGTGAAGTGGATTTGCTGAAGGCAAGTGGACCA
 GTGGAGCACAGCGACCGGCCCTCCACGGGATGTAGAGCGCCTGGTGGACAGATCCGCTTTCCTATG
 ATGCTGCCCGAGGAGCTGTTGAGCTACAGTTCACCTGCTCTTACCAAGGTACCAGGCCCTGTTCC
 AGAGGAAGACCATGGAGGCCCTGGAGTTCACACAGTGCCTCTCAAAGTGTGGCCAAGTACAGAAGCCT
 GAACCTACCGAGGATGTCTACAAACCCGGCTTTACACCTCTTCTACCTGGAGTAGCCTGCTGATGGCC
 GGTGCCTGGAGTACACAAAGCTACAAATACAGACAGTTCTACACATACTATGGCTCACAAATCCCGCT
 ACAGCAGTACCAGAACTCCAGACCCACAACCCAGCTTCTCTTCAAGGACAAGTATCTCCTG
 GTCAGCCACCTACCTCCCACCATCCAGAGTGTGGAACATGGCTTCTCGTGTACCTCTGACGAGCTC
 CCTGTACTGGCCTCACCACATCCAGTTACTCCGATCCAATATCGGCTACGAGAACAAGCGCTGATCC
 TCTGTGGAGGCTACAGTGTGGTAGATGTCACCCTTTATAGGCTCTAAGGCCCTATTCCAGGTACCCA
 GGAGACCAATAGTCCAAGACCCCTCCCTCTTCCCTGTGCCTCAGGGCCCTCAGCAGCTTCCGGAG
 GTCATCCGCCCTTCTACCTACCAACTCCACTGACACGGAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RR209939 representing NM_139096
 Red=Cloning site Green=Tags(s)

MALLWLLSVFLLVPGTQGAQKDGDMRLVNGASASEGRVEIFYRGRWGTVCDNLWNLLDAHVVCRALGYENA
 TQALSRAAFGPGKGPIMLDEVECTGNESSLANCSSLGMVSHCGHEKDAGVVCSNDSRGIHILDLSGELP
 DALGQIFDSQQDCDLFIQVTGQGHGDLSLCAHTLILRTNPEAQALWQVVGSSVIMRVDACMPVVRDFLR
 YFYSRRIEVSMSSVKLHKLASAYGATELQGYCGRLFVTLTPQDPTFHTPLELEYEAQATGDSVLEDLCV
 QFLAWNFEPLTQAEAWLSVPNALIQALLPKSELAVSSELDLLKAVDQWSTATGASHGDVERLVEQIRFPM
 MLPQELFELQFNLSLYQGHQALFQRKTMEALEFHVPLKVLAKYRSLNLTEDVYKPRLYTSSTWSSLLMA
 GAWSTQSYKYRQFYTYNYGSQSRYSYQNFQTPQHPSFLFKDKLISWSATYLPYIQCWNYGFSCTSDLE
 PVLGLTSSYSDPTIGYENKALILCGYSVVDVTTFIGSKAPIPGTQETNSKTPSLFPCASGAFSSFRE
 VIRPFYLTNSTDTE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

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:	<ol style="list-style-type: none"> 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_139096.1 , NP_620796.1
RefSeq Size:	2151 bp
RefSeq ORF:	1725 bp
Locus ID:	245955
UniProt ID:	O70513
Cytogenetics:	10q32.3
MW:	63.8 kDa
Gene Summary:	displays differential expression in a fibroblast cell line transformed by human T-cell leukemia virus type 1 Tax protein [RGD, Feb 2006]