

Product datasheet for **MG227262**

Parvb (NM_133167) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Parvb (NM_133167) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Parvb
Synonyms:	affixin; AI595373; AW742462; D15Gsk1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG227262 representing NM_133167 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCTCCGCGCCACCACGGTCGCCACCCCGGGGCCCAAGATGAAGAAGGACGAGTCTTTCTTGG
GCAAGTTGGGCGGCACACTGGCAAGGAAGAAGAAGACCAGGGAGGTGACTGACTTACAGGAAGAAGGCAA
GAGCGCCATCAACTCTCCAATGGCCCCGGCTTTGGTGGACATTCACCCTGAAGACACCCAGCTAGAGGAG
AATGAGGAGCGTACCATGATCGATCCCACCTCTAGAGAAGACCCCAAGTCAAGGAGTTGGTCAAGGTAC
TTCTGGACTGGATCAACGATGTGCTGGCAGAGGAGCGCATCATTGTGAAGCAGCTGGAGGAGACCTGTA
CGATGGCCAGGTGCTCCAGAACTTCTGAAAAGCTGGCGCACTGCAAGCTGAATGTGGCAGAGGTGACG
CAGTCCGAGATCGGGCAGAAGCAGAAGTTGCAGACGGTCTGGAAGCCGTGCAAGACCTGCTTCGGCCCC
ATGGCTGGCCGCTGCGTTGGAATGTGGACTCTATCCATGGGAAGAACCTAGTGGCCATTCTGCATCTCCT
CGTCTCCCTGGCCATGCACTTCAGGGCCCCATTACCTTCTGAGCATGTCACCGTGCAGGTGGTGGTC
GTTGGAAGCGAGAAGGCTTGTGCACTCCAGCCACATCTCAGAGGAGCTGACCAGACCACAGAGATCA
TGATGGCCGGTTTGAGCGGGACGCCTTCGATACTCTTTTCGACCAGCCCCGGACAAGCTCAACCTTGT
GAAGAAGTCTCTCATCACGTTTGTGAACAAACCTGAATAAGCTAAACTTGGAGGTGACTGACCTGGAG
ACCCAGTTTGCAGATGGTGTACCTAGTCTACTTCTGGCCTTCTTGAAGACTCTTTGTCCCCCTTC
ACAACTTCTACCTGACTCCTGACAGCTTTGACCAGAAGGTGCACAACGTGGCCTTTGCCTTTGAAGTGT
GCTGGATGGAGGCTCAAGAAGCCCAAGGCACGCCCTGAAGATGTGGTGAAGTGGACCTCAAGTCCACT
CTGCGGGTCTTTACACGCTGTTACCAAGTACAAGGATGTGGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG227262 representing NM_133167
 Red=Cloning site Green=Tags(s)

MSSAPPRSPTPRAPKMKKDESFLGKLGGLLARKKKKTREVTDLQEEGKSAINSPMAPALVDIHPEDTQLEE
 NEERTMIDPTSREDPKFKELVKVLLDWINDVLAERIIVKQLEEDLYDGGVQLKLEKLAHCKLNVAEVT
 QSEIGQKQLQTVLEAVQDLLRPHGWPLRWNVDSIHGKNLVAILHLLVSLAMHFRAPIHLPEHVTVQVVV
 VRKREGLLHSSHISEELTTTTTEIMMGRFERDAFDTLFDHAPDKLNLVKKSLITFVNKHLNKNLEVTDL
 TQFADGVYLVLLGLLEDYFVPLHNHYLTPDSFDQKVHNVAFELMLDGGGLKKPKARPEDVYVNLDLKST
 LRVLYTLFTKYKDVE

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_133167

ORF Size: 1095 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_133167.3](#), [NP_573395.1](#)

RefSeq Size: 3705 bp

RefSeq ORF: 1098 bp

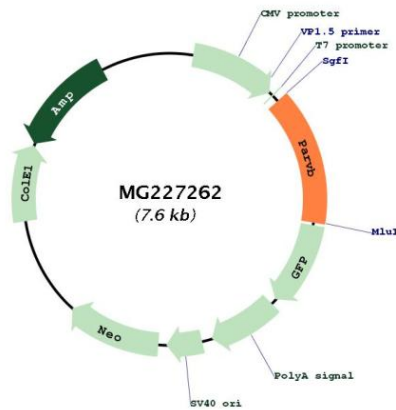
Locus ID: 170736

UniProt ID: [Q9ES46](#)

Cytogenetics: 15 E2

Gene Summary: Adapter protein that plays a role in integrin signaling via ILK and in activation of the GTPases CDC42 and RAC1 by guanine exchange factors, such as ARHGEF6. Is involved in the reorganization of the actin cytoskeleton and formation of lamellipodia. Plays a role in cell adhesion, cell spreading, establishment or maintenance of cell polarity, and cell migration (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG227262