

## Product datasheet for **RG205086**

### Parvin alpha (PARVA) (NM\_018222) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Parvin alpha (PARVA) (NM_018222) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Parvin alpha
Synonyms:	CH-ILKBP; MXRA2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG205086 representing NM_018222 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCCACCTCCCCGAGAAGTCGCCTTCTGTCCCAAGTCTCCCACTCCCAAGTCGCCCCGTCCCGCA  
AGAAAGATGATTCCTTCTGGGGAACTCGGAGGGACCCTGGCCCGGAGGAAGAAAGCCAAGGAGGTGTC  
CGAGCTGCAGGAGGAGGAATGAACGCCATCAACCTGCCCTCAGCCCAATTCCTTTGAGCTGGACCCC  
GAGGACACGATGCTGGAGGAGAATGAGGTGCGAACAATGGTGGATCCAACTCACGCAGTGACCCCAAGC  
TTCAAGAAGTGAAGGATTAATTGACTGGATTAATGATGTGTGGTTGGAGAAAGAATCATTGTGAA  
AGACCTAGCTGAAGATTTGTATGATGGACAAGTCTGCAGAAGCTTTTCGAGAACTGGAGAGTGAGAAG  
CTAAATGTGGCTGAGGTCACCCAGTCAGAGATTGCTCAGAAGCAAAAAGTGCAGACTGTCCTGGAGAAGA  
TCAATGAAACCTGAAACTTCTCCAGGAGCATCAAGTGAATGTGGATTCTGTTCATGCCAAGAGCCT  
GGTGGCCATCTTACACCTGCTCGTTGCTGTCTCAGTATTTCCGCGCACCAATTCGACTCCCAGACCAT  
GTTTCCATCCAAGTGGTGTGGTCCAGAAACGAGAAGGAATCCTCCAGTCTCGGCAAAATCCAAGAGGAAA  
TAACTGTAACACAGAGGCTCTTCCGGGAGGCATGAACGTGATGCCTTTGACACCTTGTTCGACCATGC  
CCCAGACAAGCTGAATGTGGTGAAGAAAGACACTCATCACTTTTCGTGAACAAGCACCTGAATAAAGTGAAC  
CTGGAGGTCACAGAAGTGGAAACCCAGTTGCAGATGGGGTGTACCTGGTGTCTCATGGGCTCCTGG  
AGGGCTACTTTGTGCCCTGCACAGCTTCTCCTGACCCCGGACAGCTTTGAACAGAAGGCTTTGAATGT  
CTCCTTTGCCCTTTGAGCTCATGCAAGATGGAGGTTGGAAAAGCCAAAACCGCGGCCAGAAGACATAGTC  
AACTGTGACCTGAAATCTACACTACGAGTGTGTACAACCTTTCACCAAGTACCGTAACGTGGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG205086 representing NM\_018222  
 Red=Cloning site Green=Tags(s)

MATSPQKSPSPVKSPPTPKSPPSRKKDDSFLLGKGGTLARRKKAKEVSELQEEGMNAINLPLSPIPFELDP  
 EDTMLEENEVRTMVDPNRSRDPKQLQELMKVLIDWINDVLVGERIIVKDLAEDLYDGQVLQKLFKLESEK  
 LNVAEVTQSEIAQKQKLQTVLEKINETLKLPPRSIKWNVDSVHAKSLVAIHLHLLVALSQYFRAPIRLPDH  
 VSIQVVVVQKREGILQSRQIQEEITGNTALSGRHERDAFDLFDHAPDKLNVVKKTLITFVNKHLNKLN  
 LEVTELETQFADGVYLVLLMGLLEGYFVPLHSFFLTPDSFEQKVLNVSF AFELMQDGGLEKPKPRPEDIV  
 NCDLKSTLRVLYNLFTKYRNVE

TRTRPLE - GFP Tag - V

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_018222

**ORF Size:** 1116 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\\_018222.5](#)

**RefSeq Size:** 4091 bp

**RefSeq ORF:** 1119 bp

**Locus ID:** 55742

**UniProt ID:** [Q9NVD7](#)

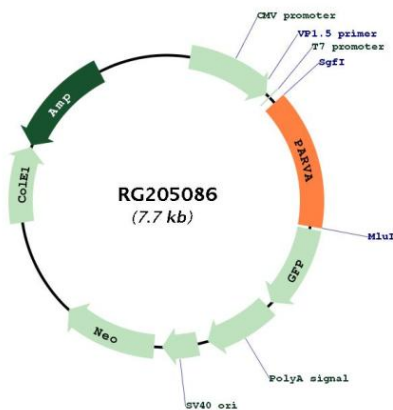
**Cytogenetics:** 11p15.3

**Domains:** CH

**Protein Pathways:** Focal adhesion

**Gene Summary:** This gene encodes a member of the parvin family of actin-binding proteins. Parvins are associated with focal contacts and contain calponin homology domains that bind to actin filaments. The encoded protein is part of the integrin-linked kinase signaling complex and plays a role in cell adhesion, motility and survival. [provided by RefSeq, Dec 2010]

### Product images:



Circular map for RG205086