

## Product datasheet for **RG237536**

### HIP55 (DBNL) (NM\_001284315) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HIP55 (DBNL) (NM_001284315) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HIP55
Synonyms:	ABP1; HIP-55; HIP55; SH3P7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237536 representing NM_001284315. Blue=ORF Red=Cloning site Green=Tag(s)

```
GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGAAGGCAACAGCAATGACATCCCGTGGCTGGCACAGGGGGGGCCCATGTGACCATCAACGCACGG
GCCGAGGAGGATGTGGAGCCTGAGTGCATCATGGAGAAGGTGGCCAAGGCTTCAGGTGCCAACTACAGC
TTTCACAAGGAGAGTGGCCGCTTCCAGGACGTGGGACCCAGGCCCCAGTGGGCTCTGTGTACCAGAAG
ACCAATGCCGTGTCTGAGATTAAGGGTTGGTAAAGACAGCTTCTGGCCAAAGCAGAGAAGGAGGAG
GAGAACCCTCGGCTGGAGAAAAGCGGGCCGAGGAGGCACAGCGGCAGCTGGAGCAGGAGCGCCGG
GAGCGTGAGCTGCGTGAGGCTGCACGCCGGGAGCAGCGCTATCAGGAGCAGGGTGGCGAGGCCAGCCCC
CAGAGCAGGACGTGGGAGCAGCAGAAGAAGTGGTTTCAAGGAACCGAAATGAGCAGGAGTCTGCCGTG
CACCCGAGGGAGATTTTCAAGCAGAAGGAGAGGGCCATGTCCACCACCTCCATCTCCAGTCTCAGCCT
GGCAAGCTGAGGAGCCCCCTTCTGCAGAAGCAGCTCACCCAACCAGAGACCCACTTTGGCAGAGAGCCA
GCTGCTGCCATCTCAAGGCCAGGGCAGATCTCCCTGCTGAGGAGCCGGCGCCAGCACTCTCCATGT
CTGGTGCAGGCAGAAGAGGAGGCTGTGTATGAGGAACCTCAGAGCAGGAGACCTTCTACGAGCAGCCC
CCACTGGTGCAGCAGCAAGGTGCTGGCTCTGAGCACATTGACCACCACATTCAGGGCCAGGGGCTCAGT
GGGCAAGGGCTCTGTGCCGTGCCCTGTACGACTACCAGGCAGCCGACGACACAGAGATCTCCTTTGAC
CCCGAGAACCCTCATCACGGGCATCGAGGTGATCGACGAAGGCTGGTGGCGTGGCTATGGGCCGATGGC
CATTTTGGCATGTTCCCTGCCAACTACGTGGAGCTCATTGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
```



[View online »](#)

**Protein Sequence:** >Peptide sequence encoded by RG237536  
 Blue=ORF Red=Cloning site Green=Tag(s)

MKATAMTSAWLAQGGAHVTINARAEEDVEPECIMEKVAKASGANYSFHKESGRFQDVGQPAPVGSVYQK  
 TNAVSEIKRVGKDSFWAKAEKEEENRRLEEKRAEEAQRQLEQERRERELREARREQRYQEQQGEASP  
 QSRTWEQQQEVVSRNRNEQESAVHPREIFKQKERAMSTTSISSPQPGKLRSPFLQKQLTQPETHFGREP  
 AAASRPRADLPAAEPAPSTPPCLVQAEEEAVYEEPPQEFTFYEQPPLVQQQGAGSEHIDHHIIQQGLS  
 GQGLCARALYDYQAADDTESISFDPENLITGIEVIDEGWWRGYGPDGHFGMFPANYVELIE  
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV  
 MGYGFYHFGTYPSTYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED  
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA  
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

**Restriction Sites:** SgfI-MluI

**Cloning Scheme:**



**ACCN:** NM\_001284315

**ORF Size:** 1008 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).

**RefSeq:** [NM\\_001284315.1](#), [NP\\_001271244.1](#)

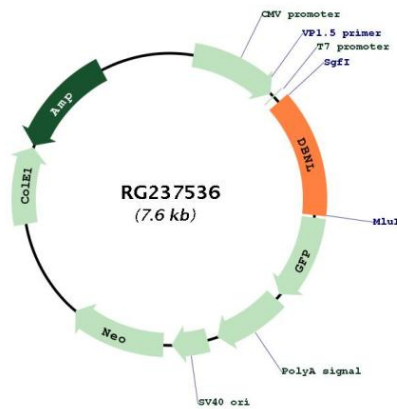
**RefSeq Size:** 2025 bp

**RefSeq ORF:** 1011 bp

**Locus ID:** 28988  
**UniProt ID:** [Q9UJU6](#)  
**Cytogenetics:** 7p13  
**MW:** 38.4 kDa

**Gene Summary:** Adapter protein that binds F-actin and DNM1, and thereby plays a role in receptor-mediated endocytosis. Plays a role in the reorganization of the actin cytoskeleton, formation of cell projections, such as neurites, in neuron morphogenesis and synapse formation via its interaction with WASL and COBL. Does not bind G-actin and promote actin polymerization by itself. Required for the formation of organized podosome rosettes (By similarity). May act as a common effector of antigen receptor-signaling pathways in leukocytes. Acts as a key component of the immunological synapse that regulates T-cell activation by bridging TCRs and the actin cytoskeleton to gene activation and endocytic processes.[UniProtKB/Swiss-Prot Function]

**Product images:**



Circular map for RG237536