

Product datasheet for **RG203435**

HIP55 (DBNL) (NM_014063) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP55 (DBNL) (NM_014063) 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:	>RG203435 representing NM_014063 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGAACCTGAGCCGGAACGGGCCAGCGCTGCAAGAGGCCTACGTGCGGGTGGTACCGAGAAGT
CCCCGACCGACTGGGCTCTTTTACCTATGAAGGCAACAGCAATGACATCCGCGTGGCTGGCACAGGGGA
GGGTGGCTGGAGGAGATGGTGGAGGAGCTCAACAGCGGGAAGGTGATGTACGCCTTCTGCAGAGTGAAG
GACCCCAACTCTGGACTGCCAAATTTGTCCTCATCAACTGGACAGGCGAGGGCGTGAACGATGTGCGGA
AGGGAGCCTGTGCCAGCCAGCTCAGCACCATGGCCAGCTTCTGAAGGGGCCCCATGTGACCATCAACGC
ACGGGCCGAGGAGGATGTGGAGCCTGAGTGCATCATGGAGAAGGTGGCCAAGGCTTCAGGTGCCAACTAC
AGCTTTCACAAGGAGAGTGGCCGCTTCCAGGACGTGGGACCCAGGCCCAAGTGGGCTCTGTGTACCAGA
AGACCAATGCCGTGTCTGAGATTAAGGGTTGGTAAAGACAGCTTCTGGGCCAAAGCAGAGAAGGAGGA
GGAGAACCGTCCGCTGGAGGAAAAGCGCGGGCCGAGGAGGCACAGCGGCAGCTGGAGCAGGAGCGCCGG
GAGCGTGAGCTGCGTGAGGCTGCACGCCGGGAGCAGCGCTATCAGGAGCAGGGTGGCGAGGCCAGCCCC
AGAGCAGGACGTGGGAGCAGCAGAAGAAGTGGTTTCAAGGAACCGAAATGAGCAGGAGTCTGCCGTGCA
CCCAGGGAGATTTTCAAGCAGAAGGAGAGGGCCATGTCCACCACCTCCATCTCCAGTCTCAGCCTGGC
AAGCTGAGGAGCCCCCTTCTGCAGAAGCAGCTCACCCAACAGAGACCCACTTTGGCAGAGAGCCAGCTG
CTGCCATCTCAAGGCCAGGGCAGATCTCCCTGCTGAGGAGCGCGGCCAGCACTCTCCATGTCTGTT
GCAGGCAGAAGAGGAGGCTGTGTATGAGGAACCTCCAGAGCAGGAGACCTTCTACGAGCAGCCCCACTG
GTGCAGCAGCAAGGTGCTGGCTCTGAGCACATTGACCACCACATTGAGGGCCAGGGGCTCAGTGGCAAG
GGCTCTGTGCCGTGCCCTGTACGACTACCAGGCAGCCGACGACACAGAGATCTCCTTTGACCCCGAGAA
CCTCATACGGGCATCGAGGTGATCGACGAAGGCTGGTGGCGTGGCTATGGGCCGGATGGCCATTTTGGC
ATGTTCCCTGCCAACTACGTGGAGCTCATTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >RG203435 representing NM_014063
 Red=Cloning site Green=Tags(s)

MAANLSRNGPALQEAYVRVTEKSPTDWALFTYEGNSNDIRVAGTGEGGLEEMVEELNSGKVMYAFCRVK
 DPNSGLPKFVLINWTGEGVNDVRKGACASHVSTMASFLKGAHV TINARAEEDVEPECIMEKVAKASGANY
 SFHKESGRFQDVGPQAPVGSVYQKTNAVSEIKRVGKDSFWAKAEKEENRRLEEKRAEEAQRQLEQERR
 ERELREAAARREQRYQEQQGEASPSQRTWEQQQEVVSRNRNEQESAVHPREIFKQKERAMSTTSISSPQPG
 KLRSPFLQKQLTQPETHFGREPAAI SRPRADLP AE EPAPSTPPCLVQAE EEA VYEEPEQETFYEQPPL
 VQQQGAGSEHIDHHIQGQGLSGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRGYGPDGHGF
 MFPANYVELIE

TRTRPLE – GFP Tag – V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_014063

ORF Size: 1293 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_014063.7](#)

RefSeq Size: 2147 bp

RefSeq ORF: 1296 bp

Locus ID: 28988

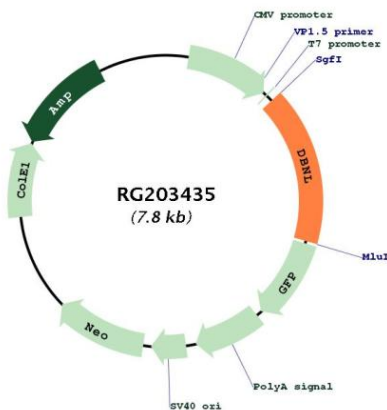
UniProt ID: [Q9UJU6](#)

Cytogenetics: 7p13

Domains: SH3, ADF

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 RG203435