

Product datasheet for **RG237463**

HIP55 (DBNL) (NM_001284313) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP55 (DBNL) (NM_001284313) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	DBNL
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:	>RG237463 representing NM_001284313. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGCCAGCTTCTGAAGGGGGCCCATGTGACCATCAACGCACGGGCCGAGGAGGATGTGGAGCCTGAG
TGCATCATGGAGAAGGTGGCCAAGGCTCAGGTGCCAACTACAGCTTTCACAAGGAGAGTGGCCGCTTC
CAGGACGTGGGACCCAGGCCCCAGTGGGCTCTGTGTACCAGAAGACCAATGCCGTGTCTGAGATTTAAA
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GTGATCGACGAAGGCTGGTGGCGTGGCTATGGGCCGATGGCCATTTTGGCATGTTCCCTGCCAACTAC
GTGGAGCTCATTGAG
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237463
 Blue=ORF Red=Cloning site Green=Tag(s)

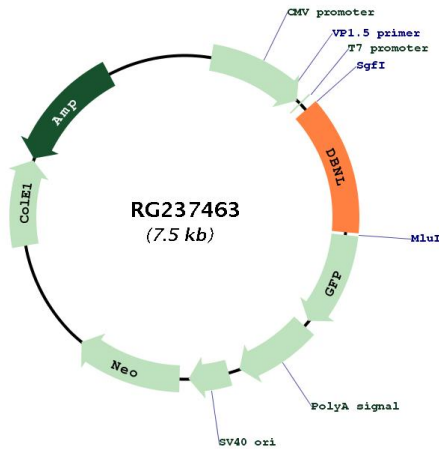
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 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVDSHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001284313

ORF Size:	981 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_001284313.2
RefSeq Size:	2041 bp
RefSeq ORF:	984 bp
Locus ID:	28988
UniProt ID:	Q9UJU6
Cytogenetics:	7p13
MW:	37.6 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]