

## Product datasheet for **RG223992**

### HIP55 (DBNL) (NM\_001014436) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HIP55 (DBNL) (NM_001014436) 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:	>RG223992 representing NM_001014436 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGCC**

ATGGCGCGAACCTGAGCCGGAACGGGCCAGCGCTGCAAGAGGCCTACGTGCGGGTGGTACCGAGAAGT  
CCCCGACCGACTGGGCTCTTTTACCTATGAAGGCAACAGCAATGACATCCGCGTGGCTGGCACAGGGGA  
GGGTGGCTGGAGGAGATGGTGGAGGAGCTCAACAGCGGGAAGGTGATGTACGCCTTCTGCAGAGTGAAG  
GACCCCAACTCTGGACTGCCAAATTTGTCCTCATCAACTGGACAGGCGAGGGCGTGAACGATGTGCGGA  
AGGGAGCCTGTGCCAGCCAGCTCAGCACCATGGCCAGCTTCTGAAGGGGGCCATGTGACCATCAACGC  
ACGGGCCGAGGAGGATGTGGAGCCTGAGTGCATCATGGAGAAGGTGGCCAAGGCTTCAGGTGCCAACTAC  
AGCTTTCACAAGGAGAGTGGCCGCTTCCAGGACGTGGGACCCAGGCCCCAGTGGGCTCTGTGTACCAGA  
AGACCAATGCCGTGTCTGAGATTAAGGGTGGTAAAGACAGCTTCTGGGCCAAAGCAGAGAAGGAGGA  
GGAGAACCGTCCGCTGGAGGAAAAGCGCGGGCCGAGGAGGCACAGCGGCAGCTGGAGCAGGAGCGCCGG  
GAGCGTGAGCTGCGTGAGGCTGCACGCCGGGAGCAGCGCTATCAGGAGCAGGGTGGCGAGGCCAGCCCC  
AGAGGACGTGGGAGCAGCAGCAAGAAGTGGTTCAAGGAACCGAAATGAGCAGGAGTCTGCCGTGCACCC  
GAGGGAGATTTCAAGCAGAAGGAGAGGGCCATGTCCACCACCTCCATCTCCAGTCCCTCAGCCTGGCAAG  
CTGAGGAGCCCCCTCTGCAGAAGCAGCTCACCAACCAGAGACCCACTTGGCAGAGAGCCAGCTGTCTG  
CCATCTCAAGGCCAGGGCAGATCTCCCTGCTGAGGAGCCGGCCAGCACTCCCTCATGTCTGGTGCA  
GGCAGAAGAGGAGGCTGTGTATGAGGAACCTCCAGAGCAGGAGACCTTCTACGAGCAGCCCCACTGGTG  
CAGCAGCAAGGTGCTGGCTCTGAGCACATTGACCACCACATTGAGGGCCAGGGGCTCAGTGGGCAAGGGC  
TCTGTGCCGTGCCCTGTACGACTACCAGGCAGCCGACGACACAGAGATCTCCTTTGACCCCGAGAACCT  
CATCACGGGCATCGAGGTGATCGACGAAGGCTGGTGGCGTGGCTATGGGCCGGATGGCCATTTTGGCATG  
TTCCCTGCCAACTACGTGGAGCTCATTGAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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**Protein Sequence:** >RG223992 representing NM\_001014436  
 Red=Cloning site Green=Tags(s)

MAANLSRNGPALQEAYVRVTEKSPTDVALFTYEGNSNDIRVAGTGEGGLEEMVEELNSGKVMYAFCRVK  
 DPNSGLPKFVLINWTGEGVNDVRKGACASHVSTMASFLKGAHVTINARAEEEDVEPECIMEKVAKASGANY  
 SFHKESGRFQDVGPQAPVGSVYQKTNVASEIKRVGKDSFWAKAEKEEENRRLEEKRAEEAQRQLEQERR  
 ERELREAAARREQRYQEQQGEASPORTWEQQQEVVSRNRNEQESAVHPREIFKQKERAMSTTSISSPQPGK  
 LRSFPLQKQLTQPETHFGREPAAAISRPRADLPAAEPAPSTPPCLVQAEEEAVYEEPEQETTFYEQPLV  
 QQQGAGSEHIDHHIQGGGLSGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRGYGPDGHFGM  
 FPANYVELIE

TRTRPLE - GFP Tag - V

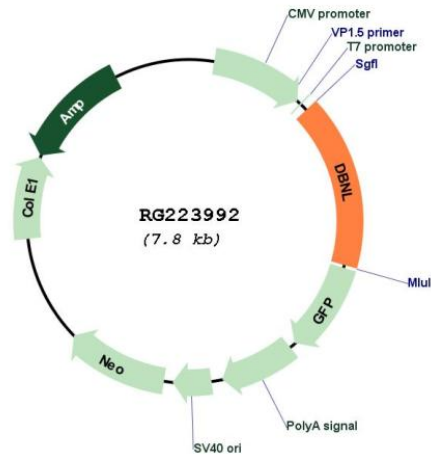
**Restriction Sites:**

SgfI-MluI

**Cloning Scheme:**



**Plasmid Map:**



**ACCN:**

NM\_001014436

<b>ORF Size:</b>	1290 bp
<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_001014436.3</a>
<b>RefSeq Size:</b>	2210 bp
<b>RefSeq ORF:</b>	1293 bp
<b>Locus ID:</b>	28988
<b>UniProt ID:</b>	<a href="#">Q9UJU6</a>
<b>Cytogenetics:</b>	7p13
<b>Gene Summary:</b>	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]