

Product datasheet for **RG225720**

HIP55 (DBNL) (NM_001122956) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP55 (DBNL) (NM_001122956) 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:	>RG225720 representing NM_001122956 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGCGAACCTGAGCCGGAACGGGCCAGCGCTGCAAGAGGCCTACGTGCGGGTGGTACCGAGAAGT
CCCCGACCGACTGGGCTCTTTACCTATGAAGGCAACAGCAATGACATCCGCGTGGCTGGCACAGGGGA
GGGTGGCTGGAGGAGATGGTGGAGGAGCTCAACAGCGGGAAGGTGATGTACGCTTCTGCAGAGTGAAG
GACCCCAACTCTGGACTGCCAAATTTGTCCTCATCAACTGGACAGGCGAGGGCGTGAACGATGTGCGGA
AGGGAGCCTGTGCCAGCCAGCTCAGCACCATGGCCAGCTTCTGAAGGGGCCCCATGTGACCATCAACGC
ACGGGCCGAGGAGGATGTGGAGCCTGAGTGCATCATGGAGAAGGTGGCCAAGGCTTCAGGTGCCAATAC
AGCTTTCACAAGGAGAGTGGCCGCTTCCAGGACGTGGGACCCAGGCCCCAGTGGGCTCTGTGTACCAGA
AGACCAATGCCGTGTCTGAGATTAAGGGTTGGTAAAGACAGCTTCTGGGCCAAAGCAGAGAAGGAGGA
GGAGAACCGTCCGCTGGAGGAAAAGCGCGGGCCGAGGAGGCACAGCGGCAGCTGGAGCAGGAGCGCCGG
GAGCGTGAGCTGCGTGAGGCTGCACGCCGGGAGCAGCGCTATCAGGAGCAGGGTGGCGAGGCCAGCCCC
AGAGCAGGACGTGGGAGCAGCAGAAGAAGTGGTTTCAAGGAACCGAAATGAGCAGGGGTCAACATGTGC
TTCCCTCCAGGAGTCTGCCGTGCACCCGAGGGAGATTTTCAAGCAGAAGGAGAGGGCCATGTCCACCACC
TCCATCTCCAGTCTCAGCCTGGCAAGCTGAGGAGCCCCCTTCTGCAGAAGCAGCTCACCAACCCAGAGA
CCCACTTTGGCAGAGAGCCAGCTGCTGCCATCTCAAGGCCCAGGGCAGATCTCCCTGCTGAGGAGCCGGC
GCCCAGCACTCCTCCATGTCTGGTGCAGGCAGAAGAGGAGGCTGTGTATGAGGAACCTCCAGAGCAGGAG
ACCTTCTACGAGCAGCCCCACTGGTGCAGCAGCAAGGTGCTGGCTCTGAGCACATTGACCACCACATTC
AGGGCCAGGGCTCAGTGGGCAAGGGCTCTGTGCCGTGCCCTGTACGACTACCAGGCAGCCGACGACAC
AGAGATCTCCTTTGACCCCGAGAACCTCATCACGGGCATCGAGGTGATCGACGAAGGCTGGTGGCGTGGC
TATGGGCCGATGGCCATTTGGCATGTCCCTGCCAACTACGTGGAGCTCATTGAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG225720 representing NM_001122956
 Red=Cloning site Green=Tags(s)

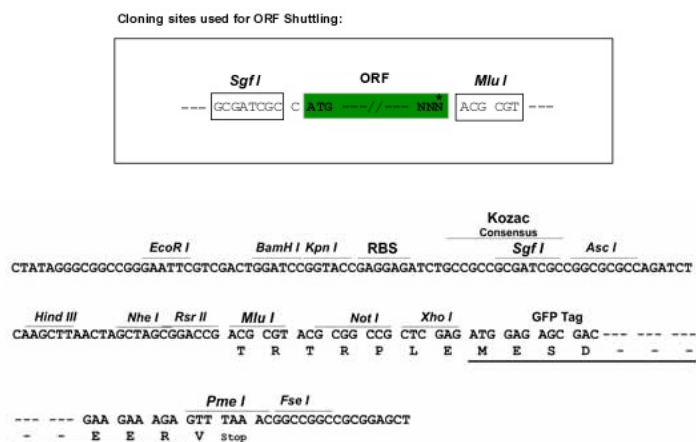
MAANLSRNGPALQEAYVRVTEKSPTDWALFTYEGNSNDIRVAGTGEGGLEEMVEELNSGKVMYAFCRVK
 DPNSGLPKFVLINWTGEGVNDVRKGCASHVSTMASFLKGAHVTINARAEEEDVEPECIMEKVAKASGANY
 SFHKESGRFQDVGPQAPVGSVYQKTNVASEIKRVGKDSFWAKAEKEENRRLEEKRRRAEEAQRQLEQERR
 ERELREAAARREQRYQEQQGEASPQSRTEQQEVEVSRNRNEQGSTCASLQESAVHPREIFKQKERAMSTT
 SISSPQPGKLRSPFLQKQLTQPE THFGREPAAAISRPRADLPAEEPAPSTPPCLVQAEEEAVYEEPPPEQE
 TFYEQPLVQQQAGSEHIDHHIQGQGLSGQGLCARALYDYQAADDTEISFDPENLITGIEVIDEGWWRG
 YPGDGHFGMPANYVELIE

TRTRPLE – GFP Tag – V

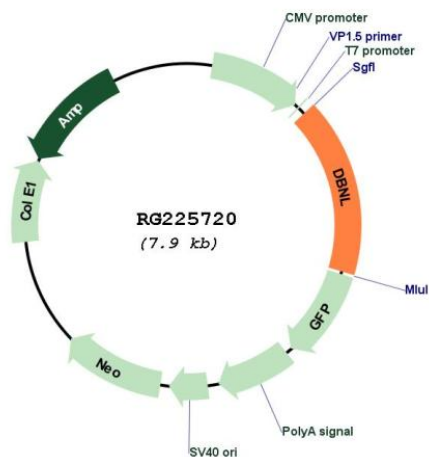
Restriction Sites:

SgfI-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001122956

ORF Size:	1317 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:	<ol style="list-style-type: none">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_001122956.2
RefSeq Size:	2237 bp
RefSeq ORF:	1320 bp
Locus ID:	28988
UniProt ID:	Q9UJU6
Cytogenetics:	7p13
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]