

Product datasheet for **RC237463**

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: Myc-DDK
Symbol: DBNL
Synonyms: ABP1; HIP-55; HIP55; SH3P7
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC237463 representing NM_001284313
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGGCCAGCTTCCTGAAGGGGGCCCATGTGACCATCAACGCACGGGCCGAGGAGGATGTGGAGCCTGAGT
GCATCATGGAGAAGGTGGCCAAGGCTTCAGGTGCCAACTACAGCTTTCACAAGGAGAGTGGCCGCTTCCA
GGACGTGGGACCCAGGCCCCAGTGGGCTCTGTGTACCAGAAGACCAATGCCGTGTCTGAGATTAAGG
GTTGGTAAAGACAGCTTCTGGGCCAAAGCAGAGAAGGAGGAGGAGAACCCTCGGCTGGAGAAAAGCGGC
GGCCCGAGGAGGCACAGCGGCAGCTGGAGCAGGAGCGCCGGGAGCGTGAGCTGCCGTGAGGCTGCACGCCG
GGAGCAGCGCTATCAGGAGCAGGCTGGCGAGGCCAGCCCCAGAGGACGTGGGAGCAGCAGCAAGAAGTG
GTTTCAAGGAACCGAAATGAGCAGGAGTCTGCCGTGCACCCGAGGGAGATTTTCAAGCAGAAGGAGAGGG
CCATGTCCACCACCTCCATCTCCAGTCTCAGCCTGGCAAGCTGAGGAGCCCTTCTGCAGAAGCAGCT
CACCCAACCAGAGACCCACTTTGGCAGAGAGCCAGCTGCTGCCATCTCAAGGCCAGGGCAGATCTCCCT
GCTGAGGAGCCGGCGCCAGCACTCCTCCATGTCTGGTGCAGGCAGAAGAGGAGGCTGTGTATGAGGAAC
CTCCAGAGCAGGAGACCTTCTACGAGCAGCCCCACTGGTGCAGCAGCAAGGTGCTGGCTGAGCACAT
TGACCACCAATTACAGGCCAGGGCTCAGTGGGCAAGGGCTCTGTGCCGTGCCCTGTACGACTACCAG
GCAGCCGACGACAGAGATCTCCTTTGACCCGAGAACCCTCATCACGGGCATCGAGGTGATCGACGAAG
GCTGGTGGCGTGCTATGGGCCGGATGGCCATTTTGGCATGTTCCCTGCCAACTACGTGGAGCTCATTGA
G

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237463 representing NM_001284313
 Red=Cloning site Green=Tags(s)

MASFLKGAHVITINARAEEDVEPECIMEKVAKASGANYSFHKESGRFQDVGPQAPVGSVYQKTNVAVSEIKR
 VGKDSFWAKAEKEEENRRLLEKRRRAEEAQRLEQERRERELREAAARREQRYQEQQGEASPORTWEQQQEV
 VSRNRNEQESAVHPREIFKQKERAMSTTSISSPQPKLRSPFLQKQLTQPETHFGREPAAAI SRPRADLP
 AEEPAPSTPPCLVQAEAAVYEEPPPEQETFYEQPPLVQQQGAGSEHIDHHIQGGQLSGQGLCARALYDYQ
 AADDTEISFDPENLITGIEVIDEGWWRGYGPDGHFGMFPANYVELIE

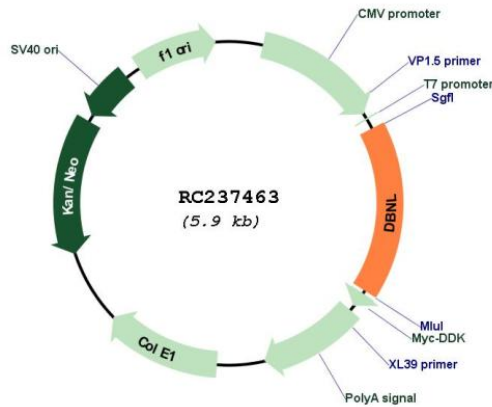
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

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).
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_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]