

Product datasheet for **SC319311**

HIP55 (DBNL) (NM_014063) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP55 (DBNL) (NM_014063) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIP55
Synonyms:	ABP1; HIP-55; HIP55; SH3P7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_014063.5
 GCGGAGACTGCGGGGCGGGCCATGGCGGCGAACCTGAGCCGGAACGGGCCAGCGCTGCAA
 GAGGCCTACGTGCGGGTGGTCACCGAGAAGTCCCCGACCGACTGGGCTCTCTTTACCTAT
 GAAGGCAACAGCAATGACATCCGCGTGGCTGGCACAGGGGAGGGTGGCCTGGAGGAGATG
 GTGGAGGAGCTCAACAGCGGGAAGGTGATGTACGCCTTCTGCAGAGTGAAGGACCCCAAC
 TCTGGACTGCCAAATTTGTCTCATCAACTGGACAGGCGAGGGCGTGAACGATGTGCGG
 AAGGGAGCCTGTGCCAGCCAGTCAGCACCATGGCCAGCTTCTGAAGGGGGCCCATGTG
 ACCATCAACGCACGGGCGAGGAGGATGTGGAGCCTGAGTGCATCATGGAGAAGGTGGCC
 AAGGCTTCAGGTGCCAACTACAGCTTTCACAAGGAGAGTGGCCGCTTCCAGGACGTGGGA
 CCCCAGGCCCCAGTGGGCTCTGTGTACCAGAAGACCAATGCCGTGTCTGAGATTAAGG
 GTTGGTAAAGACAGCTTCTGGGCCAAAGCAGAGAAGGAGGAGGAGAACCCTCGGCTGGAG
 GAAAAGCGGCGGGCCGAGGAGGCACAGCGGCAGCTGGAGCAGGAGCGCCGGGAGCGTGAG
 CTGCGTGAAGGCTGCACGCCGGGAGCAGCGCTATCAGGAGCAGGGTGGCGAGGCCAGCCCC
 CAGAGCAGGACGTGGGAGCAGCAGAAGAAGTGGTTTCAAGGAACCGAAATGAGCAGGAG
 TCTGCCGTGCACCCGAGGAGATTTTCAAGCAGAAGGAGAGGGCCATGTCCACCACCTCC
 ATCTCCAGTCTCAGCCTGGCAAGCTGAGGAGCCCTTCTGCAGAAGCAGCTCACCCAA
 CCAGAGACCCACTTTGGCAGAGAGCCAGCTGCTGCCATCTCAAGGCCAGGGCAGATCTC
 CCTGCTGAGGAGCCGGCGCCAGCACTCCTCCATGTCTGGTGCAGGCAGAAGAGGAGGCT
 GTGTATGAGGAACCTCCAGAGCAGGAGACCTTCTACGAGCAGCCCCACTGGTGCAGCAG
 CAAGGTGCTGGCTCTGAGCACATTGACCACCACATTACAGGGCCAGGGGCTCAGTGGGCAA
 GGGCTCTGTGCCCGTGCCTGTACGACTACCAGGCAGCCGACGACACAGAGATCTCCTTT
 GACCCCGAGAACCTCATCACGGGCATCGAGGTGATCGACGAAGGCTGGTGGCGTGGCTAT
 GGGCCGGATGGCCATTTTGGCATGTTCCCTGCCAACTACGTGGAGCTATTGAGTGAGGC
 TGAGGGCACATCTTGCCCTTCCCTCTCAGACATGGCTTCTTATTGCTGGAAAGAGGAGG
 CCTGGGAGTTGACATTACGCACTTCCAGGAATAGGACCCCAAGTGAAGGATGAGGCCTC
 AGGGCTCCCTCCGGCTTGGCAGACTCAGCCTGTACCCCAATGCAGCAATGGCCTGGTG
 ATTCCACACATCCTTCTGCATCCCCGACCCTCCAGACAGCTTGGCTCTTGCCCTG
 ACAGGATACTGAGCCAAGCCCTGCCTGTGGCCAAGCCCTGAGTGGCCACTGCCAAGTGC
 GGGGAAGGGTCTGAGCAGGGGCATCTGGGAGGCTCTGGTGCCTTCTGCATTTATTTGC
 CTTTTTCTTTTTCTCTTCTTCTAAGGGTGGTGGCCACCCTGTTTGAATGACCCTT
 GGAACAGTGAACGTAGAGAATGTTTTAGCAGAGTTTGTGACCAAAGTCAGAGTGGAT
 CATGGTGGTTTGGCAGCAGGGAATTTGTCTTGTGGAGCCTGCTCTGTGCTCCCCACTCC
 ATTTCTCTGTCCCTCTGCCTGGGCTATGGGAAGTGGGGATGCAGATGGCCAAGCTCCCAC
 CCTGGGTATTCAAAAACGGCAGACACAACATGTTCCCTCCACGCGGCTCACTCGATGCCTG
 CAGGCCCCAGTGTGTGCCTCAACTGATTCTGACTTCAGGAAAAGTAACACAGAGTGGCCT
 TGGCCTGTTGTCTTCCCCTATTTTCTGTCCCAGCTCATCCGTGTCTCTGAAGAACAATA
 TGCTTTTGGACCACGAA
 A

Restriction Sites: Please inquire

ACCN: NM_014063

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

OTI Annotation: This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.

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:	<u>NM_014063.5</u> , <u>NP_054782.2</u>
RefSeq Size:	2147 bp
RefSeq ORF:	1296 bp
Locus ID:	28988
UniProt ID:	<u>Q9UJU6</u>
Cytogenetics:	7p13
Domains:	SH3, ADF
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (1) uses an alternate in-frame splice site compared to variant 3. The resulting isoform (a) has the same N- and C-termini but is shorter compared to isoform c.</p>