

Product datasheet for **SC318457**

HIP1 (NM_005338) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP1 (NM_005338) Human Untagged Clone
Tag:	Tag Free
Symbol:	HIP1
Synonyms:	HIP-I; ILWEQ; SHON; SHONbeta; SHONGgamma
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005338, the custom clone sequence may differ by one or more nucleotides

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ATGGATCGGATGGCCAGCTCCATGAAGCAGGTGCCCAACCCACTGCCAAGGTGCTGAGC
CGGCGCGGGTTCGGCGCTGGGCTGGAGCGGGGAGCGCGAGAGCTTCGAGCGGACTCAG
ACTGTCAGCATCAATAAGGCCATTAATACGCAGGAAGTGGCTGTAAGGAAAAACACGCC
AGAACGTGCATACTGGGCACCCACCATGAGAAAGGGGCACAGACCTTCTGGTCTGTTGTC
AACCGCTGCCTCTGTCTAGCAACGCAGTGTCTGCTGGAAGTCTGCCATGTGTTCCAC
AAACTCCTCCGAGATGGACACCCGAACGCTCTGAAGACTCTCTGAGATACAGAAATGAA
TTGAGTGACATGAGCAGGATGTGGGGCCACCTGAGCGAGGGGTATGGCCAGCTGTGCAGC
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GGCAACCTGCAGATGAGTGACCGCCAGCTGGACGAGGCTGGAGAAAGTGACGTGAACAAC
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ACAGTATTCAACTCCCTGGACATGTCCCCTCTGTGTCGGTGACGGCAGCAGGGCAGTGC
CGCCTCGCCCCGCTGATCCAGGTCATCTTGACTGCAGCCACCTTTATGACTACACTGTC
AAGCTTCTCTTCAAACCTCACTCCTGCCTCCCAGCTGACACCTGCAAGGCCACCGGGAC
CGCTTCATGGAGCAGTTTACAAAGTTGAAAGATCTGTTCTACCGCTCCAGCAACCTGCAG
TACTTCAAGCGGCTCATTAGATCCCCAGCTGCCTGAGAACCCACCACTTCTCTGCGA
GCCTCAGCCCTGTCAGAACATATCAGCCCTGTGGTGGTGATCCCTGCAGAGGCCTCATCC
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AGGAGGCAGCGGGAGGACACCGAGAAGGCTCAGCGGAGCCTGTCTGAGATAGAAAAGAAA
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CAAGCCCAGGTAGATTTGGAACGAGAGAAAAAGAGCTGGAGGATTTCGTTGGAGCGCATC
AGTGACCAGGGCCAGCGGAAGACTCAAGAACAGCTGGAAGTCTAGAGAGCTTGAAGCAG
GAACTTGCCACAAGCCAACGGGAGCTTCAGGTTCTGCAAGGCAGCCTGAAAACCTTCTGCC
CAGTCAGAAGCAAACCTGGGCAGCCGAGTTCGCCGAGCTAGAGAAGGAGCGGGACAGCCTG

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GTGAGTGGCGCAGCTCATAGGGAGGAGGAATTATCTGCTCTTCGGAAAGAACTGCAGGAC
ACTCAGCTCAAAGTGGCCAGCACAGAGGAATCTATGTGCCAGCTTGCCAAAGACCAACGA
AAAATGCTTCTGGTGGGGTCCAGGAAGGCTGCGGAGCAGGTGATACAAGACGCCCTGAAC
CAGCTTGAAGAACCTCCTCTCATCAGCTGCGCTGGGTCTGAGATCACCTCCTCTCCACG
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GACGCCATTGCTCATGGTGCCACCACCTGCCTCAGAGCCCCACCTGAGCCTGCCACTCA
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GAGGAGCTAATGGTGTGTTCTCATGAAATTGCTGCTAGCACAGCCAGCTTGTGGCTGCA
TCCAAGGTGAAAGCTGATAAGGACAGCCCCAACCTAGCCAGCTGCAGCAGGCCTCTCGG
GGAGTGAACCAGGCCACTGCCGGCGTTGTGGCCTCAACCATTTCCGGCAAATCACAGATC
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ATGATTCTCAGGTTAGGGTGTAGAGCTAGAAAATGAATTGCAGAAGGAGCGTCAAAAA
CTGGGAGAGCTTCGAAAAAGCACTACGAGCTTGTGGTGTGCTGAGGGCTGGGAAGAA
GGAACAGAGGCATCTCCACCTACACTGCAAGAAGTGGTAACCGAAAAAGAA
    
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Restriction Sites:

Please inquire

ACCN:

NM_005338

Insert Size:

8056 bp

OTI Disclaimer:

Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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 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:

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_005338.4](#), [NP_005329.3](#)

RefSeq Size: 8056 bp

RefSeq ORF: 3114 bp

Locus ID: 3092

UniProt ID: [O00291](#)

Cytogenetics: 7q11.23

Domains: I_LWEQ

Protein Families: Druggable Genome

Protein Pathways: Huntington's disease

Gene Summary: The product of this gene is a membrane-associated protein that functions in clathrin-mediated endocytosis and protein trafficking within the cell. The encoded protein binds to the huntingtin protein in the brain; this interaction is lost in Huntington's disease. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jul 2013]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.