

Product datasheet for RC235103

HIP1 (NM_001243198) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HIP1 (NM_001243198) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HIP1
Synonyms:	HIP-I; ILWEQ; SHON; SHONbeta; SHONGgamma
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC235103 representing NM_001243198 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGATCGGATGGCCAGCTCCATGAAGCAGGTGCCAACCCTGCCCCAAGGTGCTGAGCCGGCGGGG
TCGGCGCTGGGCTGGAGGCGGCGGAGCGGAGAGCTTCGAGCGGACTCAGACTGTCAGCATCAATAAGGC
CATTAAATACGCAGGAAGTGGCTGTAAGGAAAAACACGCCAGAAGCTGCATACTGGCCACCCACCATGAG
AAAGGGGCACAGACCTTCTGGTCTGTTGTCAACCGCTGCCTCTGTCTAGCAACGCAGTGTCTGTGGA
AGTTCTGCCATGTGTTCCACAACTCCTCCGAGATGGACACCCGAACGCTCCTGAAGGACTCTCTGAGATA
CAGAAATGAATTGAGTGACATGAGCAGGATGTGGGGCCACCTGAGCGAGGGGTATGGCCAGCTGTGCAGC
ATCTACCTGAAACTGCTAAGAACCAAGATGGAGTACCACACCAAAAAATCCCAGGTTCCCAGGCAACCTGC
AGATGAGTGACCGCCAGCTGGACGAGGCTGGAGAAAGTGAAGTGAACAACCTTTTTCCAGTTAACAGTGGA
GATGTTTGACTACCTGGAGTGTGAACCTCAACTCTTCAAACAGTATTCAACTCCCTGGACATGTCCCGC
TCTGTGTCCTGACGGCAGCAGGGCAGTGCCGCTCGCCCCGCTGATCCAGGTCACTTGGACTGCAGCC
ACCTTTATGACTACACTGTCAAGCTTCTCTTCAAACCTCACTCCTGCCTCCCAGCTGACACCCTGCAAGG
CCACCGGGACCGCTTCAATGGAGCAGTTTACAAAGTTGAAAGATCTGTTCTACCGCTCCAGCAACCTGCAG
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AGAGAAGGATGACCTCATGGACATGGATGCCTCTCAGCAGAATTTATTTGACAACAAGTTTGATGACATC
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GAGGTGACCAAACAGGTGTCCATGGCCAGACAAGCCCAGGTAGATTTGGAACGAGAGAAAAAGAGCTGG
 AGGATTCGTTGGAGCGCATCAGTGACCAGGGCCAGCGGAAGACTCAAGAACAGCTGGAAGTTCTAGAGAG
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 GTGGTAACCGAAAAAGAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC235103 representing NM_001243198
 Red=Cloning site Green=Tags(s)

MDRMASMKQVPNPLPKVLSRRVGVGAGLEAERESFERTQTVSINKAINTQEAVVKEKHARTCILGTHHE
 KGAQTFWSVNNRPLSSNAVLCWKFCVHFHKLRLDGHNVNPKDSLRYRNELSDMSRMWGHLESEYQQLCS
 IYLLKLLRTKMEYHTKNRFRPGLNQMSDRQLDEAGESDVNNFFQLTVEMFDYLECELNLFQTVFNSLDMSR
 SVSVTAAGQCRLAPLIQVILDCSHLYDYTVKLLFKLHSLPADTLQGHRDRFMEQFTKLDLKYRSSLNQL
 YFKRLIQIPQLPENPPNPLRASALSEHISPVVIVPAEASSPDSEPVLEKDDLMDMDASQNLFDNKFDI
 FGSSFSDDPFNFNSQNGVNDKEDHLIERLYREISGLKAQLENMKTESQRVVLQLKGVHSELEADLAEQQ
 HLRQQAADDCEFLRAELDELRRQREDTEKAQRSLSEIERKAQANEQRYSKLKEKYSSELVQNHADLLRKN
 EVTKQVSMARQAQVDLEREKKELEDSLERSDQGRKTQEQLVLESLSKQELATSQRELQVLQGSLETS
 QSEANWAAEF AELEKERDSL VSGAAHREEEL SALRKELQDTQLKLASTEESMCQLAKDQRKMLLVGSRKA
 AEQVIQDALNQLPEPPLISCSAGSADHLLSTVTSISSCIEQLEKSWSYLACPEDISGLLHSLTLLAHLTS
 DAIAHGATTCLRAPPEPADSLTEACKQYGRETLAYLASLEEEGLENADSTAMRNCLSKIKAIAGEELLPR
 GLDIKQEELGDLVDKEMAATSAAIETATARIEGTASPKEFYAKNSRWTEGLISASKAVGWGATVMVDAAD
 LVVQGRGKFEELMVCSEIAASTAQLVAASKVKADKDPNLAQLQASRGVNVQATAGVVASTISGKSQIE
 ETDNMFSSMTLTQIKRQEMDSQVRVLELENELQKERQKLGELRKKHYELAGVAEGWEEGTEASPPTLQE
 VVTEKE

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_001243198

ORF Size: 2958 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:**
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.

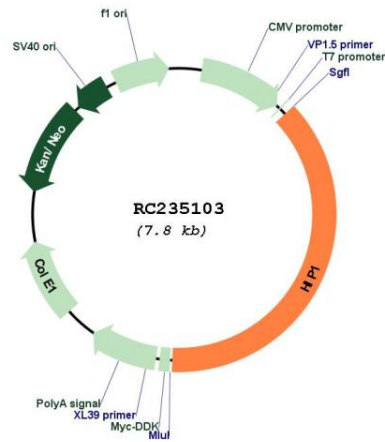
RefSeq: [NM_001243198.3](#)

RefSeq Size: 7903 bp

RefSeq ORF: 2961 bp
 Locus ID: 3092
 UniProt ID: [O00291](#)
 Cytogenetics: 7q11.23
 Protein Families: Druggable Genome
 Protein Pathways: Huntington's disease
 MW: 111.1 kDa

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]

Product images:



Circular map for RC235103