OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for MC203768

Fhit (NM_010210) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Fhit (NM_010210) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Fhit
Synonyms:	AW045638; Fra1; Fra14A2
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC012662 CCACGCGTCCGGCTTCCTCCTCTTCCTGTGGATCAGTCCTCTGCTTGGAAAACACAGCTTTTACTGTGAG ACCATGTCATTTAGATTTGGCCAACATCTCATCAAGCCCTCTGTGGTTTTTCTCAAAACTGAACTGTCCT TCGCCCTGGTGAATAGGAAACCCGTTGTACCTGGCCATGTCCTCGTGTGCCCGCTGAGGCCAGTAGAGCG CTTCCGTGACCTACATCCTGATGAAGTGGCCGATTTGTTTCAAGTGACCCAGAGAGTTGGGACAGTGGTG GAGAAGCATTTCCAGGGGACCTCCATCACCTTCTCCATGCAAGATGGTCCTGAAGCTGGGCAGACTGTGA AGCATGTACATGTCCACGTTCTTCCCAGGAAGGCAGGGGACTTCCCCCGGAATGACAACATCTATGATGA GCTCCAGAAACATGACAGAGAAGAAGAGGACTCGCCAGCCTTTTGGAGATCTGAGGAGGAGATGGCTGCA GAGGCGGAGGCTCTGCGGGTCTACTTTCAGGCCTGAGAGTAACTCAAACGATTCCCAAGGCATAAGAAAA TGGACCCCATTCTTCTGGAGTCTTCGACATTGGAAATGAAGCTAACCACTCTTTATTGTACCCCACGACC CCACAGCCTTGTACAAAGAACTTTATTGCATGTGTGGAAGCCACTAGTATTATGCTTCCATCACGATGAC AAATAGGCTAGCTTCCCAAACAGTGGCATTGACAGCCTGCCACCGTTCCTCAGTTCTGTACTTAGAATAG TAACATTTCCAAACTGTCCCTGAGCCTAGATGAAAATAAAGTGGTTGCTAAAATATTAAAAAAAAAAAAA AA
Restriction Sites:	RsrII-NotI
ACCN:	NM_010210
Insert Size:	453 bp
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).
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).

View online »

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:	BC012662, AAH12662
RefSeq Size:	842 bp
RefSeq ORF:	453 bp
Locus ID:	14198
UniProt ID:	O89106
Cytogenetics:	14 5.61 cM
Gene Summary:	This gene encodes a member of the HIT family of proteins that are characterized by the presence of a histidine triad sequence. The encoded protein is a diadenosine triphosphate hydrolase enzyme that cleaves the P(1)-P(3)-bis(5'-adenosyl) triphosphate (Ap3A) to yield AMP and ADP. This locus is very fragile and has been found to be altered in different types of cancers. Mice lacking the encoded protein display increased susceptibility to spontaneous and induced tumors. Ectopic expression of the encoded protein in such knockout mice inhibits tumor development. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Apr 2015] Transcript Variant: This variant (2) lacks an alternate exon in the 5' UTR, lacks a portion of the 5' coding region, and uses a downstream start codon compared to variant 1. It encodes isoform 2 which has a shorter N-terminus compared to isoform 1. Variants 2, 3 and 4 encode the same protein (isoform 2).