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 MR211061

Itih3 (NM_008407) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itih3 (NM_008407) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itih3
Synonyms:	AW108094; In; Intin3; ITI-HC3; Itih; Itih-3
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

View online »

ORF Nucleotide Sequence:

>MR211061 representing NM_008407
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAGGACTATGTGGTGGCCCTGCCTTGTCTTGGCTCTGCTCTCTGGCTTGGAGACCTCTGGCTTTCCGA
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CACCAAGATCAGCTGCAAGGTGACCTCCCGCTTTGCTCACAATGTTGTCACCACAAGGGCTGTCAACCGT
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CTTGTTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR211061 representing NM_008407
Red=Cloning site Green=Tags(s)

MRTMWWPCLVLALLSGLETSGFPRSPLQLLGKRSLPEGVVDGIEVYSTKISCKVTSRFAHNVVTTRAVNR
ADTAKEVSFDVELPKTAFITNFTLTIDGVTYPGNVKEKEVAQKQYEKAVSQGKTAGLVKASGRKLEKFTV
SVNVAAGSKVTFELTYEELLKRNKGKYEMYLKVQPKQLVRHFEIDAHIFEPQGISMLDAEASFITNDLLG
SALTKSFSGKKGHVSFKPSLDQQRSCPTCTDSLLNGDFTIVYDVNRESPGNVQIVNGYFVHFFAPQGLPV
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SFLTTQQSSQSPYYYVDGDPHFIIQIPGKNDSICFNIDEKPGTVLRLIQDPVTGITVTGQIIGDKRSNAS
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ISFVIILHQVWKKHPVHQDFLGFYVVDSHRMSAQTHGLLGQFFQPFDFKVFGIRPGSDPTKPDATMVVKN
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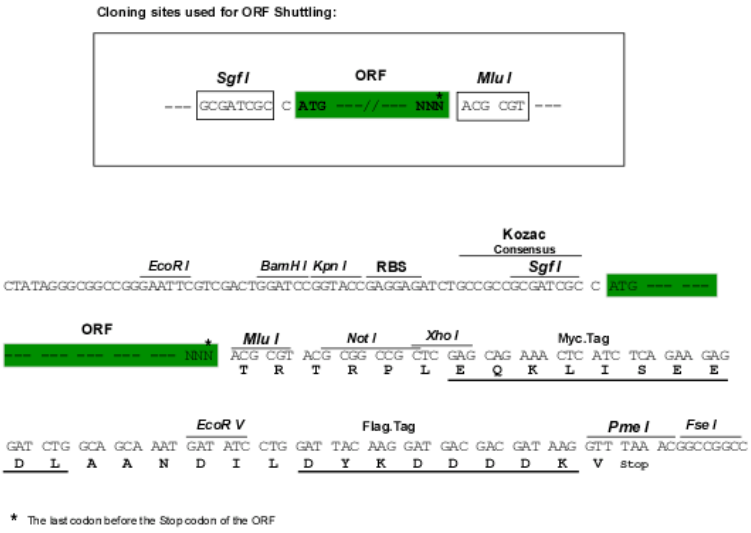
Restriction Sites: SgfI-MluI

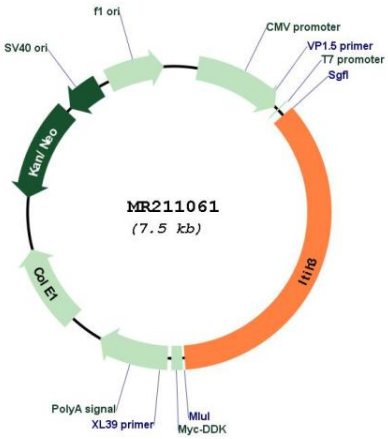
Cloning Scheme:



ACCN: NM_008407

ORF Size:	2667 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_008407.2, NP_032433.2
RefSeq Size:	2832 bp
RefSeq ORF:	2670 bp
Locus ID:	16426
UniProt ID:	Q61704
Cytogenetics:	14 B
MW:	99.4 kDa
Gene Summary:	This gene encodes one of the heavy subunits of inter alpha trypsin inhibitor that functions as a protease inhibitor circulating in the plasma. The encoded protein undergoes proteolytic processing to generate a mature glycoprotein that is linked to the other subunits via an ester bond between the C-terminal aspartic acid residue and the N-acetyl galactosamine residue of chondroitin sulfate. This gene is located in a cluster of related inter alpha trypsin inhibitor genes on chromosome 14. [provided by RefSeq, Oct 2015]

Product images:



Circular map for MR211061