

Product datasheet for **MC222516**

Itih1 (NM_008406) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Itih1 (NM_008406) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itih1
Synonyms:	In; Intin1; ITI-HC1; Itih; Itih-1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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Fully Sequenced ORF: >MC222516 representing NM_008406
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGGTGCCACAGGGCTCCGGGTGCTGCTGTGCTGCCCTCCTACTCTGCAGGCCAGGCTG
 CTTTGGGCTTGGCAACAGGCAGACCAGGGCAGTGAGAAGCGACACGCTGTGGACACTTCAAGTCAATGG
 TGTGTCCATCAAGAGCTTGAAGTCAATTGCAAGTCACCTCTCGCTTTGCCACTACGTATCACCAGC
 CAAGTGGTCAACAATGCTGATAAAGCCAGGGAAGTGGCTTTTGTGATGTGAAATCCCCAAGACAGCCTTCA
 TCAGTGACTTTGCCATAACATCAGATGGGAAGCGTTCATTGGGGACATAAAGGACAAAGTACTGCATG
 GAAGCAGTACCGAAGGCAGCCGTTTTAGGGGAGAGCGCTGGCCTTGTGAGACCTCGGGCAGAAATATG
 GAGCAGTTCACCATCCATATCACTGTTGGAGCCCAGAGCAAGGCCACGTTCCGGCTCACATGAGGAGG
 TACTAAAGAGGAGACTGATGCAGTATGACATCACCATCAAAGTCAGACCCAAAGCAGCTGGTACAGCATT
 TGAGATCGATGTGGACATCTTTGAACCCAGGGGATCAGCAAGCTGGACGCTCAGGCCTCCTTCTCAGT
 GAGGAACCTGGCTGCTCAAACCATCAAGAAGTCTTCTCAGGGAAAAAGGGTCATGTGCTCTCCGCCCA
 CTGTGAGCCAGCAGCAGTCTGCCACATGTTCTACATCCTTGCTAAATGGAGAATTCAAGGTGACCTA
 CGATGTCAATCGAGACAAGCTCTGTGACCTCCTGGTGGCCAACAACACTACTTTACACATTTCTTTGCCCC
 AAAAACCTGACCAACATGAGCAAGAACCTGGTTTTTGTGATTGACATCAGTGGCTCCATGGAAGGCCAGA
 AAGTGAGGCAGACAAAGGAGGCACTCCTTAAGATCCTGGAGGACATGAGGCCAGTAGACAACCTTTGACCT
 GGTCTCTTTGGCTCTAAAGTGAATCATGGAAGGGCTCCCTGGTACCTGCGTCTAATGCCAATCTGCAA
 GCAGCTCAAGACTTTGTGAGGCGCTTTCTTTGGCTGGAGCCACAACCTGAATGGAGGCTTCTCCGAG
 GAATCGAGATCTTAAACAAGCTCAAGGAAGCCACCCAGAACTCAGCAGCCCGGCCTCAATTTCTATCAT
 GTTGACAGACGGAGAGCCCACTGAAGGGGAGACGGACCGTTCCAGATCCTCAAGAATGTACGCAACGCT
 ATCCGGGGCAGGTTCCCGCTCTACAACCTCGGCTTTGGCCACGACCTGGACTTCACTTCTCGGAGTCA
 TGTCCACTGAGAACAACGGATGGGCCAGAGAATTTATGAGGACCATGATGCCACCAACAGCTACAGGG
 TTTCTACAATCAAGTAGCCAATCCCCTGCTGACAGATGTGGAAGTGCAGTACCCAGGATGCTGTCTTG
 GCTCTAACCCAGCACCGACATAAACAGTACTATGACGGCTCGGAGATTGGTGGCTGGGCGATTGCTA
 ACCACAACTGAACACCTTTAAGGCTGACGTTCCGGCTCGTGGGAAAAGCAAGAATTCAAGGCAACCTG
 CCTAGTGGACGAGGAAGAGATGAAGAACTGCTCCGAGAGCGTGGCCACGTGCTAGAGAATCATGTGGAG
 AGGCTCTGGGCTACCTCAGATCCAGGAGCTCCTGGCTAAGCGGATGAAGACGGAAGGGGAGGAGGG
 CCAACCTGTATCCAGGCTCCTGAAGATGTCACTGGACTATCATTTCGTAAACGCCACTGACCTCTCTGAC
 TATCAGAGGCTGACAGACGAGGATGGGCTGGAGCCACCATTGACAAGCCCTGGAGGATTCTCAGCCC
 TTAGAGATGGTGGGACCCAGAAGAAGCTTTGTGCTGTCAGCCATACAGCCATCTCCTACAGCCCACCCCA
 TAGACTCAAAGTTGCCACTCCGTGTGACAGGTGTGGACACCGATCCCACTTCAATCATCTATGTGCCCTC
 AAAAGAGGATAGCTTGTGCTTCAACATCAATGAGGAACCTGGTGTGATCCTGAACCTAGTACAGGACCT
 GACACAGGCTTACCCTGAATGGCAGCTCATTGGGAACAAGGCCAGCAGCCCTGGGCAACACGAGAGCA
 CATACTTCGGGAGATTGGGAATCTCAAGTCCCACATCAGACTTTCAGCTGGAAGTACTCCTCAGAACAT
 TACTGAACCCAGCTCCAGCGGTCATGTTCTCCTGGAGGGACCAGGCTGTGCTGCAGAAGGATGGG
 GTAGTGGTGACAATCAACAAGAAGAGGAACCTGGTGGTGTCTGTGGATGATGGGGCTACCTTTGAGATTG
 TCTGCACAGAACATGGAAGGGGAGTGCAGTCCACCAGGACTTCTGGGTTTCTATGTGCTGGACAGCTT
 CCGGATGTGAGCCCGGACAAAGGGGCTACTGGGACAATTCTTCTCCCACTGGATTTTGAAGTATTTGAC
 CTCCACCCAGGCTCTGACCTACAAGACAGATGCCACAATGGTGGTGAAGAATCGGCAGCTGACAGTCA
 CCCGAGGGTTGCAAAAAGACTACAGCAAGGACCCAGACATGGAGCAGAAGTGCCTTGTGGTTTGTCCA
 CGACAATGGAGCTGGACTGATTGATGGTGTTCACACTGACTATGTCGTCTGACATCTT**TGA**

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: Sgfl-Mlul
ACCN: NM_008406

Insert Size:	2724 bp
OTI Disclaimer:	<p>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.</p> <p>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</p>
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:	NM_008406.3 , NP_032432.2
RefSeq Size:	3077 bp
RefSeq ORF:	2724 bp
Locus ID:	16424
UniProt ID:	Q61702
Cytogenetics:	14 B
Gene Summary:	<p>This gene encodes a heavy chain of inter-alpha trypsin inhibitor (IaI) family of plasma serine protease inhibitors. IaI proteins are protein-glycosaminoglycan-protein complexes comprised of two heavy chains and a light chain. The encoded protein covalently associates with the light chain via a chondroitin sulfate moiety. Intravenous administration of the encoded protein improved survival of mice after infection with Escherichia coli. This gene is located adjacent to two other IaI heavy chain genes. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing to generate mature protein. [provided by RefSeq, Oct 2015]</p> <p>Transcript Variant: This variant (1) represents the shorter transcript and encodes the shorter isoform (1).</p>