

## Product datasheet for **MC206371**

### **Itih4 (BC016500) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Itih4 (BC016500) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itih4
Synonyms:	ITI-HC4; Itih-4; PK-120
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:** >BC016500  
 GGGCAACTGAAGGCAGATGAAGAGCCCTGCCCTGCCACATGTGGAACCTTGTGCTGTTCTTGCCTTCA  
 CTGTTGGCTGTGCTTCCGACCACTACTGCCGAGAAGAATGGCATCGATATCTACAGCCTCACGGTGGACT  
 CCCGGGTCTTCCCGATTTGCCATACTGTTGTACCAGCCGGTGGTCAACAGAGCCGATGCTGTTCA  
 AGAAGCGACCTTCCAAGTAGAGCTACCCAGGAAAGCCTTCATACCAACTTCTCCATGATCATCGATGGC  
 GTGACCTACCCAGGGTGTCAAAGAGAAGGCCAAGCCCAGAAACAATACAGTGCCGCCGTGGCAGGG  
 GAGAGAGTGTGGCATCGTCAAGACCCTGGGAGGCAGACAGAGAAGTTTGAAGTGCAGTCAACGTGGC  
 CCTGGTTCCAAGATTACCTTCGAACTCATATACCAGGAAGTCTCCAAAGGCGACTGGGAATGTATGAG  
 CTA CTCTCAAAGTGAGGCCTCAGCAGCTGGTGAAGCACCTTCAGATGGACATCTACATCTTTGAGCCTC  
 AGGGTATTAGCATCCTGGAGACAGAGACCTTCATGACCCCGAGCTGGCAAATGCCCTTACCACTTC  
 ACAGAACAAGACCAAGGCTCATATCCGGTTCAAGCCGACGCTCTCCAGCAACAGAAGTCTCAGAGTGAG  
 CAGGACACGGTGTGAATGGGACTTCATCGTCCGCTATGATGTCAACCGGTCTGACTCTGGGGCTCCA  
 TTCAGATTGAGGAAGGCTACTTTGTGCACCACTTTGCTCCAGAGAACCTTCTACAATGTCCAAGAATGT  
 GATCTTTGTGATTGATAAAAAGCGGATCTATGTCAGGCAAGAAAATCCAGCAGACCCGAGAAGCCCTAGTC  
 AAGATCTTGAAAGACCTCAGCCCCAAGACCAGTTCAACCTCATTGAGTTCAGTGGGAAGCAAACCAAT  
 GGAAGCAGTCACTGGTGAAGCGACAGAAGAGAATTTGAACAAGGCTGTAACCTATGCTTCCAGGATCCG  
 GGCTCACGGAGGGACCAACATCAATAATGCAGTGTGTTGGCTGTGGAGCTGCTGGACAGAGCAACCAA  
 GCTGAGCTACTGCCCTCGAAGAGCGTCTCCCTTATCATCTGCTCACGGACGGTGAACCCACTGTGGGAG  
 AAACCAACCCACGATTATCCAGAACAACGTGCGGGAAGCCATCAATGGGCAGTATAGCCTCTTCTGCCCT  
 GGGGTTCCGGCTTTGATGTGAACTATCCTTTCCTGGAGAAGATGGCACTGGACAATGGTGGCTGGCCAGG  
 CGCATCTATGAGGATTCAGACTTGCAGTGCAGCTTCCAGATTCTACCAGAAAGTAGCCAATCCACTGC  
 TCTCATCAGTGGCTTCGAATACCCAGTGTGCTGGGAGGAAGTCACTCGGTACAAGTCCCAACACCA  
 CTTTAAGGGCTCAGAGATGGTGGTGGCTGGGAGCTCCAGGACCAGGGTCTGATGTCCTTTAGCCAAA  
 GTCAGTGGGCAGATGCACATGCAGAACATCACTTTCCAAACGGAGGCCAGCGTAGCCCAACAAGAGAAGG  
 AGTTTAAGAGCCCAAGTACATCTTTCACAACCTTATGGAGAGACTGTGGGCACTGCTGACTATACAGCA  
 ACAGCTGGAGCAGAGGATTTAGCGTCAAGTGCAGGAAATAGAGGCCCTCGAGGCCAAGTCTGAACTTG  
 TCACTCAAGTACAATTTTGTACCCCTCTCACGCACATGGTGGTCAACAACTGAAGGTCAAGAACAAT  
 TCCAAGTTGCTGAGAAGCCTGTGGAAGTCGGTATGGCATGCAGAGACTCCCTTAGCAGCTCAAGCCCA  
 CCCCTTACGGCTCCTGTGAGAGGATCTAACTGATGACCGTGTGAAAGGAAGCAGGTCCAGATACCC  
 AGACGCGGTGATGCCGTTAGGGCATCTAGGCAATACATTCCTCCCGGATTCCTCCGGACCTCTGGACCTC  
 CCGGATTTCTGCACCCCTGGACCTCCTGGATTTCTGCACCCCTGGACCTCCTCTTGTCTTGCTC  
 TGACTTACGCCTTCAGCCTTCTATGAAAGGATGCTAAGCCTGCCCTCCGTTGCACAATATCCTGCTGAC  
 CCACATCTGGTTGTGACGGAAAAAGTAAAGAAAGCACCATACCAGAGGAATCCCAACCCAGACCACC  
 CCCAGGTTCTACTATTACCTTGCCGCTTCCGGGATCCAGTGTGGACCAGCTCTGTGTGGATATCTTACA  
 TTCTGAGAAGCCCATGAAGCTGTTTCGTAGACCCAGTCAAGGTCTGGAGGTGACTGGTAAGTATGAGAAT  
 ACTGGGTTCTCGTGGCTCGAAGTGACCATCCAGAAGCCTCACCTGCAGGTCCATGCAACCCCTGAACGAC  
 TGGTGGTGACACGAGGCAGAAAAACACTGAATACAAGTGAAGAAGACGCTGTTCTCTGTGTTACCTGG  
 CTTGAAGATGACCATGAATATGATGGGACTCCTACAGCTCAGTGGCCAGACAAAGTCAACATCGGCCTC  
 CTGTCCCTGGATGACCCCTCAGAGAGGACTAATGCTGCTTTTGAATGACACCCAGCACTTCTCCAACACG  
 TTAAGGGGAGCTTGGTCAAGTTTACCAGGACATCGTCTGGGAGCCACCGTCCAGCCAGATAATACAAA  
 ACGGACAGTCAAAGTTCAAGGAGTTGACTACCTGGCTACCAGAGAGCTCAAGTTGAGTTACCAAGAAGGG  
 TTCCAGGAGCAGAGATTTCTGCTGGACAGTGGAGATATAGAAGTGTAGGAGCAGCCGCTCCCTGCCAT  
 GTTGTCTCGTACGACGAGCAGATGACACCTTATGCCAACAGGGACGCTGTGAGGCCGAGACCTTGATGG  
 GAAGAGGATGCTCCCTTGTACAAATAAAGAAGGGCAGTGTGAAAAAAAAAAAAAAAAAAAAA

**Restriction Sites:** RsrII-NotI  
**ACCN:** BC016500  
**Insert Size:** 2826 bp

<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">BC016500</a> , <a href="#">AAH16500</a>
<b>RefSeq Size:</b>	3002 bp
<b>RefSeq ORF:</b>	2826 bp
<b>Locus ID:</b>	16427
<b>Cytogenetics:</b>	14 19.09 cM
<b>Gene Summary:</b>	This gene encodes a member of the inter-alpha trypsin inhibitor (IaI) family of plasma serine protease inhibitors with diverse functions as anti-apoptotic and matrix stabilizing molecules during development. This gene is predominantly expressed in the liver and the encoded protein was found to be a plasma kallikrein-sensitive glycoprotein. This gene is located in a cluster of related inter alpha trypsin inhibitor genes on chromosome 14. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Oct 2015]