

## Product datasheet for **MC220729**

### **Itih1 (BC028814) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Itih1 (BC028814) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itih1
Synonyms:	Intin1; ITI-HC1; Itih-1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin



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**Fully Sequenced ORF:** >BC028814  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGAGGGTGCCACAGGGCTCCGGGTGCTGCTGTGCTGCCGCTCCTCACTCTGCAGGCCAGGCTG  
 CTTTGGGCTTGGCAACAGGCAGACCCAGGGCAGTGAGAAGCGACACGCTGTGGACACTTATTATCTTCA  
 GTCAGTCAATGGTGTGTCCATCAAGAGCTTGAAGTCAATTGCAAAGTCACCTCTCGCTTTGCCACTAC  
 GTCATCACCAGCCAAGTGGTCAACAATGCTGATAAAGCCAGGGAAGTGGCTTTTGTATGTGAAATCCCCA  
 AGACAGCCTTCATCAGTGACTTTGCCATAACATCAGATGGGAAGGCGTTCATTGGGGACATAAAGGACAA  
 AGTGACTGCATGGAAGCAGTACCGAAGGCAGCCGTTTTAGGGGAGAGCGCTGGCCTTGCAGAGCCTCG  
 GGCAGAAATATGGAGCAGTTCACCATCCATACACTGTTGGAGCCAGAGCAAGGCCACGTTCCGGCTCA  
 CCTATGAGGAGGTAATAAGAGGAGACTGATGCAGTATGACATCACCATCAAAGTCAGACCCAAGCAGCT  
 GGTACAGCATTTTGTAGATCGATGTGGACATCTTTGAACCCAGGGGATCAGCAAGCTGGAGCCTCAGGCC  
 TCCTTCCTCAGTGAGAACTGGCTGCTCAAACCATCAAGAAGTCTTTCTCAGGAAAAAGGGTCATGTGC  
 TCTTCCGCCCCACTGTGAGCCAGCAGCAGTCTGCCCCACATGTTCTACATCCTTGTAAATGGAGAATT  
 CAAGGTGACCTACGATGTCAATCGAGACAAGCTCTGTGACCTCCTGGTGGCCAACAACACTTTTACACAT  
 TTCTTTGCCCCAAAAACCTGACCAACATGAGCAAGAACCTGGTTTTTGTGATTGACATCAGTGGCTCCA  
 TGGAAAGCCAGAAAGTGGAGCAGACAAAGGAGGCACTCCTAAGATCCTGGAGGACATGAGGCCAGTAGA  
 CAACTTTGACCTGGTCTCTTTGGCTCTAAAGTGAATCATGGAAGGGCTCCCTGGTACCTGTGTCTAAT  
 GCCAATCTGCAAGCAGCTCAAGACTTTGTGAGGCGTTTTCTTTGGCTGGAGCCACAAACCTGAATGGAG  
 GCTTGCTCCGAGGAATCGAGATCTTAAACAAAGCTCAAGGAAGCCACCCAGAACTCAGCAGCCCGCCCTC  
 AATTCTTATCATGTTGACAGACGGAGAGCCACTGAAGGGGAGACGGACCGTTCCAGATCCTCAAGAAT  
 GTACGCAACGCTATCCGGGGCAGGTTCCCGCTCTACAACCTCGGCTTTGGCCACGACCTGGACTTACGT  
 TCCTGGAGGTCATGTCCACTGAGAAACAACGGATGGGCCAGAGAAATTTATGAGGACCATGATGCCACCCA  
 ACAGCTACAGGGTTTCTACAATCAAGTAGCCAATCCCCTGCTGACAGATGTGGAAGTGCAGTACCCCCAG  
 GATGCTGTCTGGCTCTAACCCAGCACCACATAAACAGTACTATGACGGCTCGGAGATTGTGGTGGCTG  
 GGCGCATTGCTAACCAAACTGAACACCTTTAAGGCTGACGTTCCGGCTCGTGGGAAAAGCAAGAATT  
 CAGGGCAACCTGCCTAGTGGACGAGGAAGAGATGAAGAACTGCTCCGAGAGCGTGGCCACGTGCTAGAG  
 AATCATGTGGAGAGGCTCTGGGCTACCTCAGATCCAGGAGCTCCTGGCTAAGCGGATGAAGACGGAAG  
 GGGAGGAGAGGGCAACCTGTATCCCAGGTCCTGAAGATGTCACTGGACTATCATTTCGTAAACGCCACT  
 GACCTCTCTGACTATCAGAGGCCTGACAGACGAGGATGGGCTGGAGCCCACCATTGACAAGCCCCTGGAG  
 GATTCTCAGCCCTTAGAGATGGTGGGACCCAGAAGAAGCTTTGTGCTGTGAGCCATACAGCCATCTCCTA  
 CAGCCCACCCATAGACTCAAAGTTGCCACTCCGTGTGACAGGTGTGGACACCGATCCCCACTTCATCAT  
 CTATGTGCCCTCAAAGAGGATAGCTTGTGCTTCAACATCAATGAGGAACCTGGTGTGATCCTGAACCTA  
 GTACAGGACCCGACACAGGCTTACCGTGAATGGGCAGCTCATTGGGAACAAGGCCAGCAGCCCTGGGC  
 AACACGAGAGCACATACTTCGGGAGATTGGGAATCTCAAGTCCCACATCAGACTTTCAGCTGGAAGTGAC  
 TCCTCAGAACATTACACTGAACCCAGCTCCAGCGGGTCCATGTTCTCCTGGAGGGACAGGCTGTGCTG  
 CAGAAGGATGGGGTAGTGGTGACAATCAACAAGAAGAGGAACCTGGTGGTGTCTGTGGATGATGGGGCTA  
 CCTTTGAGATTGTCTGCACAGAACATGGAAGGGGAGTGCAGTCCACCAGGACTTCTGGGTTTCTATGT  
 GCTGGACAGCTTCCGGATGTGAGCCGGACAAAGGGGCTACTGGGACAATTCTTCTCCCCACTGGATTTT  
 GAAGTATTTGACCTCCACCCAGGCTCTGACCCTACAAAGACAGATGCCACAATGGTGGTGAAGAATCGGC  
 AGCTGACAGTACCCGAGGGTTGAAAAAGACTACAGCAAGGACCCAGACATGGAGCAGAAGTGCCTTG  
 CTGTTTGTCCACGACAATGGAGCTGGACTGATTGATGGTGTTCACACTGACTATGTCGTCTCTGACATC  
 TTCTGA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCTGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:** SgfI-MluI

<b>ACCN:</b>	BC028814
<b>Insert Size:</b>	2736 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="#">BC028814</a> , <a href="#">AAH28814</a>
<b>RefSeq Size:</b>	2921 bp
<b>RefSeq ORF:</b>	2735 bp
<b>Locus ID:</b>	16424
<b>Cytogenetics:</b>	14 B
<b>Gene Summary:</b>	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]