

## Product datasheet for **MC222779**

### **Itih2 (NM\_010582) Mouse Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Itih2 (NM_010582) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Itih2
Synonyms:	A1747202; Intin2; Itih-2
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**Fully Sequenced ORF:**

>MC222779 representing NM\_010582  
 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCCAGCAAAATGCAGCGCCTGTGTGCCTTCTCATCTGGCTGTTTCTCTGGAAGCACAAAGCCTTCG  
 AAATCCCATAAACGGAACCTCAGAATTTGCAGAATACAGTGATCTTGTGGAAGTGGCCCCAGATAAACT  
 CCCATTTGTGCAAGAGAATGGAAGACATCAGAGAAGCCTTCTGAGGAATCCGGAGAGGACAGGCACT  
 GTTGATCCAGTGACTCTTTATAGCTACAAAGTCCAGTCCACTATTACTTCTCGGGTGGCCACAACCTACCA  
 TCCAGAGCAAAGTGGTGAACAATCCCCATTGCCTCAGAGTGTGCTGTTTCGATGTTTCAGATTCCCAAAGG  
 AGCCTTTATCTCCAACCTCACCATGACTGTGAACGGCATGACATTTACAAGCTCCATTAAAGAGAAAACCT  
 GTGGCCGAGCTCTTTATTCACAGGCAAGAGCAAAGGGCAAGACGGCTGGATGGTAAGGAGCAGAAGCTC  
 TGGATATGGAGAAGTCAACACAGAGGTGAACATCCCGCCTGGAGCCAAGGTGCAGTTTGAAGTTCATTA  
 CCAGGAGTGAAGTGGAGGAAGCTGGGATCCTATGAGCACAAGATTTCATTTGCAGCCCGGAAGCTGGCC  
 AAACACTTGGAGGTGAATGTGTGGATTATCGAACCCCAAGGAATGAGATTTCTTCATGTTCTGACACAT  
 TTGAAGGCCATTTCCAAGGCGTCCCTGTGCATATCTAAAGGACAACAGAAGGCACATGTATCCTTCAAGCC  
 CACAGTAGCACAAAGAAAATGCCCAAAGTGCACAGAGACTGCAGTGAACGGGGAGCTGGTGGTGATG  
 TATGATGTCAACAGAGAAGAGAAGGCCGGGAAGTGGAGTGTAAATGGATATTTTGTTCACCTCTTTG  
 CTCCTGAGAAGCTGGACCAATCCCAAGAATCCTTTTTGTTATTGACGTGAGTGGCTCCATGTGGGG  
 GATTAAGATGAAGCAGACTGTGGAGGCAATGAAGACGATATTGGATGACCTAAGAACAGACGACCAATTC  
 TCTGTGGTTGATTTCAACCATAATGTTTCGAACCTGGAGAAATGATTTAGTTTCAGCTACTAAAACACAAA  
 TTGCAGATGCCAAGAGATACATTTGAGAAAATTCAGCCTAGTGGAGGCAGAAATATCAACGAGGCACTGCT  
 TCGAGCAATTTTCATTTTGAATGAAGCCAGTAACATGGGATTGCTGAACCCCGACTCAGTCTCTCTGATC  
 ATTTTGGTTTCTGATGGAGATCCAACCGTAGGGAACTAAAATTGTCCAAAATTCAGAAAATGTGAAGC  
 AGAGCATCCAAGATAACATCTCCCTGTTTGTGTTGGAAATCGGATTTGATGTCGACTATGATTTTTTGA  
 GAGGCTGTCCAATGAAAATCGTGGTATTGCTCAACGGATCTACGGGAACAGGACACATCCTCTCAGCTC  
 AAGAAATTTTACAACAGGTCTCTACTCCACTGCTCAGAAATGTTTCAGTTTAACTACCCGAGGCATCAG  
 TAACAGATGTACCCAAAACAATTTCCACAACACTCTCGGAGTTCTGAGATCGTGGTGGCAGGGAAAT  
 TGATCCCAGCAAAGTACAGAAAGTCCAGAGCATCATCACGCAACTTCGGCTAACACAGAATTGGTCTTG  
 GAAACCCTGAGCCAGATGGATGACTTGGAGGATTTCTGTCAAAGGACAAGCATGCAGACCTGACTTCA  
 CCAAGAAGCTGTGGCCCTATCTCACCATCAACCAACTACTAGCAGAGAGAAGTCTGGCTCCTACTGCTGC  
 CATCAAAAGGAAAATCACAAAACAATCCTGCAGATGTCTCTAGACCATCACATCGTGACTCCGCTTACT  
 GCCATGGTGATAGAGAATGATGCTGGAGATGAACGCATGCTGGCTGACTCCCCGCCACAGGACCCTCCT  
 GCTGCTCAGGCGCACTGTATTATGGCACCAAGGTTGCCTCGGGTCCCATCCCATCATGGGCCAACCCATC  
 TCCGACACCAATGTGGCCATGCTTGCAGTCCGAGCGAAGCCACTTGAGTCTACTCCACCTACTCATTG  
 AATCAAGTGGAAAATGACCCCACTTTCATTTACCTGCCAAAAGCAAAGGAATATTTGTTTCAATA  
 TTGACTCAGAACCTGGGAAAATCCTAAGCCTGGTGTCTGACCCAGAATCAGGGATTGTAGTCAACGGTCA  
 GCTTATCGGCGCCAAGAGGGCAGAGAATGGAAAGCTAAGCACCTACTTTGGAAAAGTGGGGTTTTATTTT  
 CAAAAGGAAGGCATGAAGATAGAAATCAGCACCGAGACCATCACCTGAGCTCTGGCTCCTCTACATCTC  
 GACTGTCTGGTCCGACACAGCTCATCTTGGAAACTCGAGGGTGTCTATCTCTGTGAAGAAAGAAAATC  
 TGTGACTCTCACCTGAATAAAGAGCTGTTCTTTTCCGTTCTGCTGCATCGTGTGTGGAGGAAGCACCCA  
 GTTAAAGTGGACTTCTGGGGATCTACGCTCCCCCATAGACAAGTTCTCACCTAGAGTGCATGGACTGT  
 TAGGCCAGTTCATGCAGGAGCCAGCCATCCACATCTTCAATGAGAGACCCGAAAGGAGCCGGGAAAACC  
 CGAGGCAAGCATGGAGGTGAAAGGACATAAGCTGACTGTCACAGAGGCTGCAGAAGGACTACAGGACG  
 GATATCGTGTGGAAACAGACGTTCCCTGCTGGTTTGTACACAACAGTGGGAAAGGTTTCATCGATGGAC  
 ATTATAAGGATTATTTGTGCTCAGCTCTACAGCTTTCTCAAGCGGCCT**TAA**

**ACGCGT**ACGCGGCCGCTCGAGCAGAAAACCTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Restriction Sites:**

Sgfl-MluI

<b>ACCN:</b>	NM_010582
<b>Insert Size:</b>	2853 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="#">NM_010582.3</a> , <a href="#">NP_034712.2</a>
<b>RefSeq Size:</b>	3139 bp
<b>RefSeq ORF:</b>	2853 bp
<b>Locus ID:</b>	16425
<b>UniProt ID:</b>	<a href="#">Q61703</a>
<b>Cytogenetics:</b>	2 6.89 cM
<b>Gene Summary:</b>	May act as a carrier of hyaluronan in serum or as a binding protein between hyaluronan and other matrix protein, including those on cell surfaces in tissues to regulate the localization, synthesis and degradation of hyaluronan which are essential to cells undergoing biological processes.[UniProtKB/Swiss-Prot Function]