

## Product datasheet for **MR211291**

### **Itih5 (NM\_172471) Mouse Tagged ORF Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	Itih5 (NM_172471) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Itih5
Synonyms:	4631408O11Rik; 5430408M01Rik; E130106B02
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide Sequence:**

>MR211291 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGCTCCTGCTGCTAGGGCTGTGCTTGGGTTGCCCTCTTCTCAGAGTCCCAGGAAGAGGCAAGGAGTT  
 GGGACGACACCTCGGAGCAAGTCGTGCTCAGGGTCCCCAGGCAGCTCAGGCTGTTGCAAAGACTGAAAAC  
 CAAGCCCTTGATGGCAGAGTTTTTCGGTGAAGTCTACCATCATTTCCCGCTATGCCTTCACCACGGTGTCC  
 TGCAGGATGCTCAACAGAGCTTCTGAAGACCAGGAGGCTGAGTTCAGATGCAGATTCCAGAATCAGCTT  
 TCATCACCAACTTCACCATGCTTATAGGAGACAGCGTGTATCGGGGTGAAATTACACAGAAAAGATAAGAA  
 AAGCAGTGAGAGCGTAAAAGATAAAAAGGAACAGAACCTCAGACGATAATGAAGAAAACGGGAGTGACATG  
 TTCAAAGCGTCTTATGATTCCAGCAAGGACAAAGTCTTTCTTCTCAGTTATGAAGAGCTTCTGC  
 AGAGGAGGCTGGGAAAACGAGCATAGCATCAGCGTGCGCCCCAGCAGCTGGTGGGAGGCTGACTGT  
 GGAGGTGGACATCCTGGAGCGATCGGGCATCACATCCTTGAAGTGTGCCTCTCCACAACAGCAGGAAG  
 AAGGGTAGTGGGAAGGCAGAAGGTGATGTGGGTCTCCCTTCTACTCTCATCAACAAAATGAGACAT  
 TTGCCAAAGTCATCTTAAAGCTACTGTGGTCCAAACAGCTAAGATTGCCAGAATGGGATCTTGGGAGA  
 TTTTCATCGTTCGGTATGATGTCGAGAGAGAGCAGAACATTGGTGACATCCAGGTTCTGAATGGTTATTT  
 GTGCACACTTTTGTCTCTAAAAACCTCCCTCCTTACCCAAGAAGCTGGTCTTCGTGCTTGACATCAGCG  
 CTTCCATGGTGGGAGCGAAAACCTCCAGCAGACCAGGAGGCTCTCGTCACAATTCTCAATGACCTCCGACC  
 CCAGGATCGTTCATATCATTGGGTTCTCAAATCGGATTAATAATGTGGAAGGACCATTACTACCAGTG  
 ACTCCTGACAACATTAGGAATGGCAAGATCTACATGTACCATCTGTCACCCACTGGAGGCACAGACATCA  
 ATGGGGCCCTTCAGGCTGCCATCAAACACTGCTCAACAACACTCGTGGCCAGAAATGACATTGAAGACCGAAG  
 TGTGTCCCTCATCATCTTCTCACCAGTGGGAAACCCACCTTTGGGGAGACCAATACCCTCAAGATTCTC  
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 TCAAACCTGTTAGAGAACTCTCGCTGGAGAAGTGCAGTCTCACGAGGCGTGTTCATGAGGAGGACAAGGC  
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 AGCTGCTAAGCTCCTGGAGGCAGAGCAACAGTGAAGCAAGAAAGAGCAGCTGAGGCAGAAGGCCAGGA  
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 AACCAGCTGGAGGACACCTATGGCATGTCTGCAGCTACAGGACCTGCGACCGTGGTGAGAACCTTCGAG  
 AGGCCCGCAAGCAGCCAGAACCTGATCTCAAAAAACATATGACCCAAGAATTAATACTCTAAAACATC  
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 GGAGAGCCGGGGGACATCCTACGTCTGGTCTGTGATCATCTGAACTCTGGTGTGACTGTGAATGGCGAGC  
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 CATCAACCGCCAGAGAGATCTTACCTGGAGATCACACCAAGCAGGGTCACTCTGGACGGTGGGACAGG  
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 AGTGGTCTGAAACAAAGGAAGATTTACAACGGGCAAGCAGGTAGACTGCTGGTTTGACAGAAACAAT  
 GCTGCCAAGCTGATTGACGGTGTCTATAAGGACTACCTGGCATCTCATCCGTTTGACACAGAGAGTGCAC  
 TGGGCTGAGCAGCCCAGGAAACCTGAGACCGACAGGCCCATGAGGAGAGTGTCT

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
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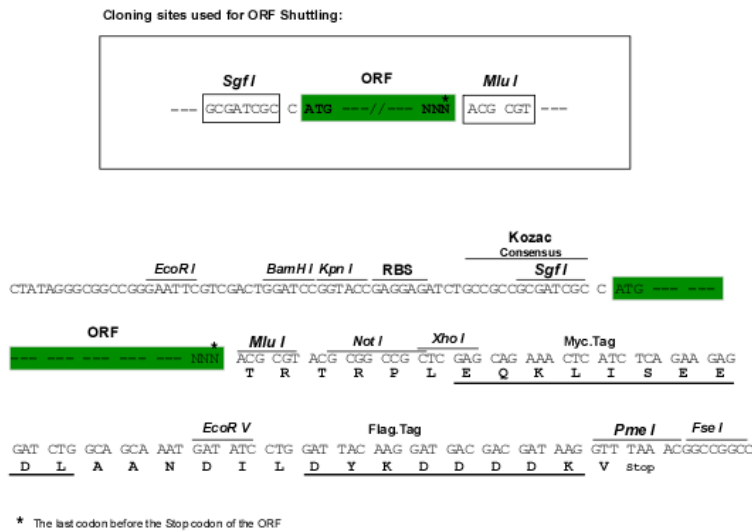
**Protein Sequence:** >MR211291 protein sequence  
 Red=Cloning site Green=Tags(s)

MLLLLGLCLGLPLFSESQEEARSWDDTSEQVVLVPRQLRLLQRLKTKPLMAEFSVKSTIISRYAFTTVS  
 CRMLNRASEDQEAEFQMIPESAFITNFTMLIGDSVYRGEITQKDKKSSSESVKDKRNRTSDDNEENGSDM  
 FKASLVIPSKDKAAFFLSYEELLQRRLLGKYEHSISVRPQQLVGRLTVEVDILERSGITSLEVLPLHNSRK  
 KGSGKAEGDVGPPSTLINQNETFAKVIFKPTVVQQAIAQNGILGDFIVRYDVEREQNIGDIQVLNGYF  
 VHYFAPKNLPPLPKNVFVLDISASMGAKLQQTREALVTILNDLRPQDRFNIIGFSNRKMKWDHLLPV  
 TPDNIRNGKIYMYHLSPGGTDINGALQAAIKLLNNYVAQNDIEDRSVSLIIFLTDGKPTFGETNTLKIL  
 SNTKEATRQICIFTVGI GDDVDFKLEKLSLENCGLTRRVHEEDKAGAQLIGFYDEIRTPLLSDIRIDY  
 PPDVVEHATKTLFPNYFNGSEIVIAGKMVDKFDQLHVEVTASNSKFFVILKRDIPVEFRKMNDVSVTP  
 GSARDGGKDLNHIERLWSYLVKELLSSWRQSNSEQEQLRQKAQDLALNYHFLTPFTSMKLRKPLRT  
 NQLEDTYGMSAATGPATVVQNLREAGKQPEPDLKKTYPRIKISKTSVDGDPHFVDFPLSKLTVCFNID  
 GEPGDILRLVSDHLNSGVTVNGELIGAPPNGHKKQRTYFRTITILINRPERSYLEITPSRVILDGDR  
 LVLPCNQSVVVGSRGLEVSANANITVVIQGNIAFVILIHLYKNPAPFQRDHLGFYIANSRGLSDNCHG  
 LLGQFLNQDAKLVGAPEEYGNLSNQPFRAEGMPEAILKVKGRRVPVWQQRKIYNGQAQVDCWFDRNN  
 AAKLIDGVYKDYLAHPFDTESALGLSTPRKPETDRPHEESV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:** SgfI-MluI

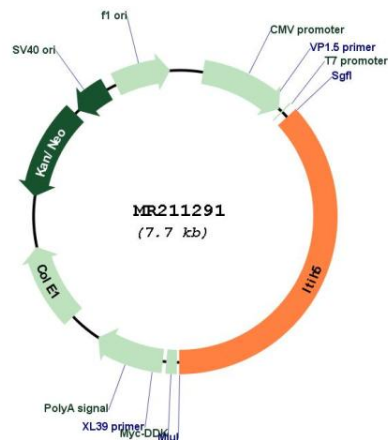
**Cloning Scheme:**



**ACCN:** NM\_172471

**ORF Size:** 2859 bp

<b>OTI Disclaimer:</b>	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. <a href="#">More info</a>
<b>OTI Annotation:</b>	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
<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>	<u><a href="#">NM_172471.2</a></u> , <u><a href="#">NP_766059.1</a></u>
<b>RefSeq Size:</b>	7942 bp
<b>RefSeq ORF:</b>	2859 bp
<b>Locus ID:</b>	209378
<b>UniProt ID:</b>	<u><a href="#">Q8BJD1</a></u>
<b>Cytogenetics:</b>	2 A1
<b>MW:</b>	106.7 kDa
<b>Gene Summary:</b>	May act as a tumor suppressor.[UniProtKB/Swiss-Prot Function]

**Product images:**


Circular map for MR211291