

Product datasheet for **RC230363**

ITIH1 (NM_001166435) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITIH1 (NM_001166435) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ITIH1
Synonyms:	H1P; IATIH; IGHEP1; ITI-HC1; ITIH; SHAP
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230363 representing NM_001166435
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
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Protein Sequence: >RC230363 representing NM_001166435
 Red=Cloning site Green=Tags(s)

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RTMEQFTIHLTVNPQSKVTFQLTYEEVLKRNHMQYEIVIKVKPKQLVHHFEIDVDIFEPQGISKLDAQAS
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RNAIRGRFPLYNLGFGHNVDNFLEVM SMENNGRAQRIYEDHDATQQLQGFYSQVAKPLLV DVDLQYPQD
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SPPLEMLGPRRTFVLSALQPSPTHSSNTQRLPDRVTGVDTPHFIIHVPQKEDTL CFNINEEPGVILSL
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RQDGVVVTINKKRNLVSVDDGGTFEVLH RVWKGSSVHQDFLGFYVLD SHRMSARTHGLLGQFFHP IGF
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Restriction Sites:

SgfI-MluI

Cloning Scheme:

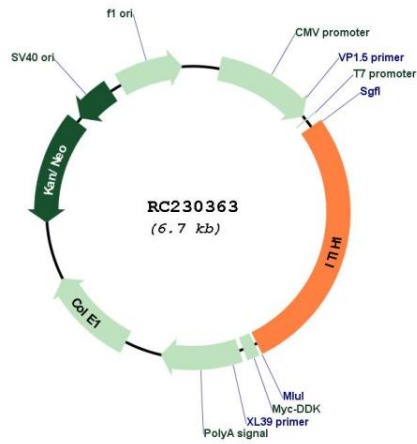


ACCN: NM_001166435

ORF Size: 2733 bp

OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_001166435.1 , NM_001166435.2 , NP_001159907.1
RefSeq Size:	2493 bp
RefSeq ORF:	1872 bp
Locus ID:	3697
UniProt ID:	P19827
Cytogenetics:	3p21.1
Protein Families:	Transmembrane
MW:	101.4 kDa
Gene Summary:	This gene encodes a member of the inter-alpha-trypsin inhibitor family of proteins. Alternative splicing results in multiple transcript variants, at least one of which encodes a preproprotein that is proteolytically processed to generate the heavy chain of the inter-alpha-trypsin inhibitor complex, which is secreted by hepatocytes into the blood. The heavy chain also interacts with hyaluronan, and this interaction may play a role in ovulation and fertilization, and has been implicated in multiple inflammatory diseases. This gene is present in a gene cluster on chromosome 3. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RC230363