

Product datasheet for **RC230577**

ITIH4 (NM_001166449) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITIH4 (NM_001166449) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ITIH4
Synonyms:	GP120; H4P; IHRP; ITI-HC4; ITIHL1; PK-120; PK120
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC230577 representing NM_001166449
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGAAGCCCCAAGGCCTGTCCGTACCTGCAGCAAAGTTCTCGTCTGCTTTCACTGCTGGCCATCCACC
 AGACTACTACTGCCGAAAAGAATGGCATCGACATCTACAGCCTCACCGTGGACTCCAGGGTCTCATCCCG
 ATTTGCCACACGGTCGTCAACGACCGAGTGGTCAATAGGGCCAATACTGTGCAGGAGGCCACCTTCCAG
 ATGGAGCTGCCAAGAAAGCCTTCATCACCAACTTCTCCATGATCATCGATGGCATGACCTACCCAGGGA
 TCATCAAGGAGAAGGCTGAAGCCAGGCACAGTACAGCGCAGCAGTGGCCAAGGGAAGAGCGCTGGCCT
 CGTCAAGGCCACCGGAGAAACATGGAGCAGTTCAGGTGTGGTCAAGTGTGGTCCCAATGCCAAGATC
 ACCTTTGAGCTGGTCTATGAGGAGCTGCTCAAGCGGCGTTTGGGGGTGTACGAGCTGCTGCTGAAAGTGC
 GGCCCCAGCAGCTGGTCAAGCACCTGCAGATGGACATTACATCTTCGAGCCCCAGGGCATCAGCTTTCT
 GGAGACAGAGAGCACCTTCATGACCAACCAGCTGGTAGACGCCCTCACCACTGGCAGAATAAGACCAAG
 GCTCACATCCGGTTCAAGCCAACACTTTCCAGCAGCAAAAGTCCCAGAGCAGCAAGAAACAGTCTTGG
 ACGGCAACCTCATTATCCGCTATGATGTGGACCGGCCATCTCCGGGGTCCATTTCAGATCGAGAACGG
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 AAGAGCGGCTCCATGAGTGGCAGGAAAATCCAGCAGACCCGGGAAGCCCTAATCAAGATCCTGGATGACC
 TCAGCCCCAGAGACCAGTTCAACCTCATCGTCTTCAGTACAGAAGCAACTCAGTGGAGGCCATCACTGGT
 GCCAGCCTCAGCCGAGAAGCTGAACAAGGCCAGGAGCTTGTGCGGGCATCCAGGCCCTGGGAGGGACC
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 AAGGGAGTGTCTACTCATCATCTGCTCACCGATGGCAGCCCACTGTGGGGGAGACTAACCCAGGAG
 CATCCAGAATAACGTGCGGGAAGCTGTAAGTGGCCGGTACAGCCTCTTCTGCCTGGGCTTCGGTTTCGAC
 GTCAGCTATGCCTTCTGGAGAAGCTGGCACTGGACAATGGCGGCTGGCCCCGGGCATCCATGAGGACT
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 CGAGTACCCAAGCAATGCCGTGGAGGAGTCACTCAGAACAATTCGGGCTCCTTTCAGGGCTCAGAG
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 CTACACAGAACATCACTTCCAACGGAGTCCAGTGTGGCAGAGCAGGAGGCGGAGTTCAGAGCCCCAA
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 GGCTGGGTTCTCATGGATCGAAGTGAACCTCAAGAACCCCTGGTATGGGTTACGCATCCCCTGAACAC
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 GCCTGAAGATGACCATGGACAAGACGGGCTCCTGCTGCTCAGTACCCAGACAAAGTGACCATCGGCCCT
 GTTGTCTGGGATGGCCGTGGGAGGGGCTCCGGCTCCTTCTGCGTGACTGACCGCTTCTCCAGCCAC
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 GCCCCGGGAGTGGAGATTTCTGCTGGTCTGTGGAGCTG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC230577 representing NM_001166449
Red=Cloning site Green=Tags(s)

MKPPRPVRTCSKVLVLLSLLAIHQTTTAEKNGIDIYSLTVDSRVSSRFAHTVVTSRVVNRANTVQEATFQ
 MELPKKAFITNFSMIIDGMTYPGIIKEKAEAAQYSAAVAKGKSAGLVKATGRNMEQFQVSVVAPNAKI
 TFELVYEELLKRRLGVYELLKVRPQQLVKHLQMDIHFEPQGISFLETESTFMTNQLVDALTTWQNKTK
 AHIRFKPTLSQQQKSPEQETVLDGNLIIRYDVDRAISGGSIQIENGYFVHYFAPEGLTTPKNNVVFVID
 KSGSMSGRKIQQTREALIKILDDLSPRDQFNLIIVFSTEATQWRPSLVPASAENVNKARSAAGIQALGGT
 NINDAMLMAVQLLDSSNQEERLEPGSVSLIILLTDGDPVGETNPRSIQNNVREAVSGRYSLFCLGFGFD
 VSYAFLEKLALDNGGLARRIHEDSDSALQLQDFYQEVANPLLTAVTFEYPSNAVEEVTQNNFRLLFKGSE
 MVVAGKQLQDRGPDVLTATVSGKLPQNTIFQTESSVAEQEAEFQSPKYIFHNFMERLWAYLTIQQLLEQT
 VSASDAQQALRNQALNLSLAYSFVTPLTSMVVTKPDDQEQSQAQAEKPMEGESRNRNVHSAGAAGSRMNF
 RPGVLSRQLGLPGPPDPDHAAYHPFRRLAILPASAPPATSNPDPAVSRVMMMKIEETTMTTQTPAPIQ
 APSAILPLPGQSVRLCVDPRHRQGPVNLSDPEQGVETGQYEREKAGFSWIEVTFKNPLVWVHASPEH
 VVTRNRRSSAYKWKETLFSVMPGLKMTMDKTGLLLLSDPKVTIGLLFWDGRGEGLRLLLRDTRDFSSH
 VGGTLGQFYQEVWLGSPAASDDGRRTL RVQGNHDSATRERRLDYQEGPPGVEISCSWVEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

SgfI-MluI

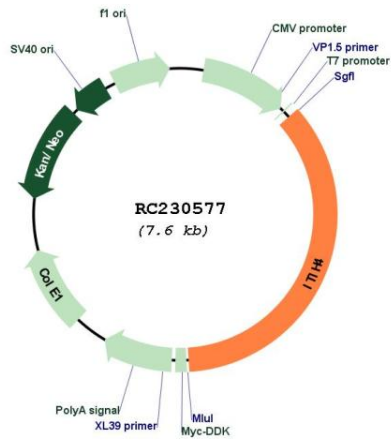
Cloning Scheme:



ACCN: NM_001166449

ORF Size:	2700 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_001166449.1 , NP_001159921.1
RefSeq ORF:	2703 bp
Locus ID:	3700
UniProt ID:	Q14624
Cytogenetics:	3p21.1
MW:	100.3 kDa
Gene Summary:	The protein encoded by this gene is secreted into the blood, where it is cleaved by plasma kallikrein into two smaller forms. Expression of this gene has been detected only in liver, and it seems to be upregulated during surgical trauma. This gene is part of a cluster of similar genes on chromosome 3. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

Product images:



Circular map for RC230577