

Product datasheet for **SC329215**

ITIH4 (NM_001166449) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITIH4 (NM_001166449) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITIH4
Synonyms:	GP120; H4P; IHRP; ITI-HC4; ITIHL1; PK-120; PK120
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >NCBI ORF sequence for NM_001166449, the custom clone sequence may differ by one or more nucleotides

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ATGAAGCCCCAAGGCTGTCCGTACCTGCAGCAAAGTTCTCGTCCTGCTTTCACTGCTG
GCCATCCACCAGACTACTACTGCCGAAAAGAATGGCATCGACATCTACAGCCTCACCCTG
GACTCCAGGGTCTCATCCGATTTGCCACACGGTCGTACCAGCCGAGTGGTCAATAGG
GCCAATACTGTGCAGGAGGCCACCTTCCAGATGGAGCTGCCAAGAAAGCCTTCATCACC
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GCCCAGGCACAGTACAGCGCAGCAGTGGCCAAGGAAAGAGCGCTGGCCTCGTCAAGGCC
ACCGGGAGAAACATGGAGCAGTTCCAGGTGTGGTCAGTGTGGCTCCCAATGCCAAGATC
ACCTTTGAGTGGTCTATGAGGAGCTGCTCAAGCGGCGTTTGGGGGTGTACGAGCTGCTG
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GCCCTCACCACCTGGCAGAATAAGACCAAGGCTCACATCCGGTTCAAGCCAACACTTTCC
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CTGCTGACAGCAGTGACCTTCGAGTACCAAGCAATGCCGTGGAGGAGTCACTCAGAAC
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GGGCTGATGTGCTCACAGCCACAGTCACTGGGAAGCTGCCTACACAGAACATCACTTTC
CAAACGGAGTCCAGTGTGGCAGAGCAGGAGGCGGAGTTCCAGAGCCCCAAGTATATCTTC
CACAATTCATGGAGAGGCTCTGGGCATACCTGACTATCCAGCAGCTGCTGGAGCAAAT
GTCTCCGCATCCGATGCTGATCAGCAGGCCCTCCGGAACCAAGCGCTGAATTTTCACTT
GCCTACAGCTTTGTACGCCTCTCACATCTATGGTAGTACCAAACCCGATGACCAAGAG
CAGTCTCAAGTTGCTGAGAAGCCATGGAAGGCGAAAGTAGAAACAGGAATGTCCACTCA
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GGACTCCAGGACCTCCTGATGTTCTGACCATGCTGCTTACCACCCCTTCCGCCGTCTG
GCCATCTTGCCTGCTTCAGCACCACCAGCCACCTCAAATCCTGATCCAGCTGTGTCTCGT
GTCATGAATATGAAAATCGAAGAAACAACCATGACAACCCAAACCCAGCCCCATACAG
GCTCCCTCTGCCATCCTGCCACTGCCTGGGCAGAGTGTGGAGCGGCTCTGTGTGGACCCC
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GATGACGGCAGACGCACGCTGAGGGTTACGGGCAATGACCACTCTGCCACCAGAGAGCGC
AGGCTGGATTACCAGAGGGGCCCCGGGAGTGGAGATTTCTGCTGGTCTGTGGAGCTG
TAG

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Restriction Sites: Please inquire

ACCN: NM_001166449

OTI Disclaimer:	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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	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:	<u>NM_001166449.1</u> , <u>NP_001159921.1</u>
RefSeq Size:	3193 bp
RefSeq ORF:	2703 bp
Locus ID:	3700
UniProt ID:	<u>Q14624</u>
Cytogenetics:	3p21.1
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] Transcript Variant: This variant (2) lacks an alternate in-frame segment compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to isoform 1.