

Product datasheet for SC118755

ITIH2 (NM_002216) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ITIH2 (NM_002216) Human Untagged Clone
Tag:	Tag Free
Symbol:	ITIH2
Synonyms:	H2P; SHAP
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC118755 sequence for NM_002216 edited (data generated by NextGen Sequencing)

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ATGAAAAGACTCACGTGCTTTTTTCATCTGCTTCTTTCTTTCTGAAAGTATCAGGCTTCGAA
ATCCCCATAAATGGACTTTCTGAATTTGTAGACTATGAAGATCTTGTGGAAGTGGCCCCA
GGCAAATTTCAATTGGTGGCAGAGAACCGGAGATATCAGAGAAGCCTTCCAGGAGAAATCG
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GTTCAGTTCAACTATCCCCATACATCAGTCACGGACGTCCTCAAAACAATTTCCATAAC
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 ATAGAGAGCGTTATCACGGCGACTTCGGCTAACACGCAGTTAGTCTTGGAGACCTGGCC
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Clone variation with respect to NM_002216.2
 788 a=>g

5' Read Nucleotide Sequence:

>OriGene 5' read for NM_002216 unedited
 NNTTGTCAAATTTGTATACGACTCCTATAGGCGGCCCGCAATCGGCACGAGGGTGATA
 TCCTCCCANACCATCTGCTTTGGGGAGCTTGGCAAACTGTCCAGCAAAATGAAAAGAC
 TCACGTGCTTTTTTCATCTGCTTCTTTCTTCTGAAGTATCAGGCTTCGAAATCCCATAA
 ATGGACTTTCTGAATTTGTAGACTATGAAGATCTTGTGGAAGTGGCCCCAGGCAAATTTT
 AATTGGTGGCAGAGAACCGGAGATATCAGAGAAGCCTTCCAGGAGAATCGGAAGAATGA
 TGGAAAGAGTTGATCAAGTAACTCTTTATAGCTATAAAGTCCAGTCTACTATTACTTCTC
 GGATGGCCACCACCATGATCCAGAGCAAAGTGGTGAACAATCCCAGCAGCCTCAGAAATG
 TCGTGTGTTGATGTTGAGATCCCCAAAGGAGCATTATTTCCAACCTCTCCATGACTGTGG
 ACGGCAAGACATTTAGGAGCTCTATTAAGGAGAAAAGTGTGGCCGAGCTCTTTATGCAC
 AGGCCAGAGCAAAAGGCAAGACGGCTGGCTTGGTGAAGGAGCAGCGCTCTTGATATGGAAA
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 AGGAGGTGAAGTGGAGGAAGCTGGGCTCCTATGAGCACAGGATCTATCTGCAACCTGGAC
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 TCATGTTCCCACATTTGAAGCCATTTGATGGTGTCCGGTCAATTTCTAAAGACACAG
 AAGNCGCACGCTCCTTCAAGCCACGTAGCACAGCAGAGATATGCCCTAGCTGNCCGGA
 GACTGCNGTAGATGGGAACCTGGTGC

3' Read Nucleotide Sequence:	>OriGene 3' read for NM_002216 unedited ACTTAATTGCCCGCGCCGCATTCTAGNGATCGGTTTTTTTTTTTTTTTTTTCATTTGTA AAAGTTTATTTTCTTAGGTGTGTTTACAGGCTTTATAAACCCCTGATATCTGGTTCAT TTTAATTAACCACCCTGATATCTGGTTCATTTAATTATTCAAACCGAAGAATATCTGCA AAAGTGACAGNGGAAAGATGTATTAATATATATAATTTCCCAAACATAAACCTTTA AGGCCGTTTGAGAAAGCTGTAGAGCTGAGGCACGAAGTAATCCTTGTAAATGCCCGTCAAT GAATCCTTTTCCACTGTTGTGCACAAACCAGCAGGTAACGTCGGTTCCAAACACTAGATC CGTTCTGTAGTCTTTCTGTAAAGCCCTGGTGATGATCAGCTTCTGCCCTTCACTCCAT GCTGGCCTCTGGCTTCTCAGGGTCTTTCTGGTCTCTCATTGAAGATGTGTATCTTTGG TTCCTGCATGAACTGGCCTATTAGTCCGTGGGCTTTAGGTGAGAACTTGTGTAGGGGG TATGTAGATTTCCAGAAAGTCAACATTGACGGGATGCTTCTTCCAAACACGATGAAGTAA AACAGAAAAGGACATCTTTATCCAGGGTATAGTTACCACTTTTTCTTTTCACTGAG ATCTGCACCCCTCTGATTCGCGACTTGAGCCGTGTCGGACCAGGACAAGGAGAATGTGCT AGAACCATGGCTCAGGGCGATGGCCCTCAGTGCCGATCTCTATTTTTATGCGCCCCCTT TGGCAAATACCATCCAAGTTTTCTAAATTAGGGTGCTTAGTCTCCCCATTGCATGCC TTCTCTTCCCCACCACCCCTTCCCTCCCTCTCCCTTCCCCTCCTTCCCCCTCCCTCT CTCTACTCTCTCTCTCCCTCCCCCTCCCCACTCCCATCTCTACTACTTT
Restriction Sites:	NotI-NotI
ACCN:	NM_002216
Insert Size:	3350 bp
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).
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_002216.2 , NP_002207.2
RefSeq Size:	3198 bp
RefSeq ORF:	2841 bp
Locus ID:	3698
UniProt ID:	P19823
Cytogenetics:	10p14
Domains:	VWA, VIT

Gene Summary:

The inter-alpha-trypsin inhibitors (ITI) are a family of structurally related plasma serine protease inhibitors involved in extracellular matrix stabilization and in prevention of tumor metastasis. The ITI family contains multiple proteins made up of a light chain (see MIM 176870) and a variable number of heavy chains (Salier et al., 1987 [PubMed 2446322]; Himmelfarb et al., 2004 [PubMed 14744536]).[supplied by OMIM, Nov 2009]