

# Recombinant Full Length Human ITIH4 Protein, C-Flag-tagged

Cat. No. ITIH4-669HFL    Lot. No. (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Full Length Human ITIH4 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
<b>Species</b>	Human
<b>Source</b>	Mammalian Cells
<b>Description</b>	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.
<b>Form</b>	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
<b>Molecular Mass</b>	100.3 kDa
<b>AA Sequence</b>	<p>MKPPRPVRTCSKVLVLLSLLAIHQTTTAEKNGIDIYSLTVDSRVSSRFAHTVVTSRVV  NRANTVQEATFQ MELPKKAFITNFSMNIDGMTYPGIIKEKAEQAQYSAAVAKGKSA  GLVKATGRNMEQFQVSVSVAPNAKI TFELVYEELLKRRLGVYELLKVRPQQLVKHL  QMDIHIFEPQGISFLETSTFMTNQLVDALTTWQNKTK AHIRFKPTLSQQQKSPEQQ  ETVLDGNLIIRYDVDRAISGGSIQIENGYFVHYFAPEGLTTMPKNVVFVID KSGSMSG  RKIQQTREALIKILDDLSPRDQFNLIVFSTEATQWRPSLVPASAENVNKARSFAAGIQ  ALGGT NINDAMLMVQLLDSSNQEERLPEGSVSLIILLTDGDPTVGETNPRSIQNNV  REAVSGRYSLFCLGFGFD VSYAFLEKLALDNGGLARRIHEDSDSALQLQDFYQEVA</p>

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 45-1 Ramsey Road, Shirley, NY 11967, USA

NPLLTAVTFEYPSNAVEEVTQNNFRLLFKGSE MVVAGKLQDRGPDVLTATVSGKLP  
 TQNITFQTESSVAEQEAEFQSPKYIFHNFMERLWAYLTIQQLLEQT VSASDADQQAL  
 RNQALNLSLAYSFVTPLTSMVVTKPDDQEQSQVAEKPMEGESRNRNVHSGSTFFK  
 YYLQ GAKIPKPEASFSRRGWNRQAGAAGSRMNFRPGVLSRQLGLPGPPDVPD  
 HAAHYHPFRRLLAILPASATPA TSNPDPAVSRVMNMKIEETTMTTQTPAPIQAPSAILPL  
 PGQSVERLCVDPRHRQGPVNLLSDPEQGVEVT GQYEREKAGFSWIEVTFKNPLVW  
 VHASPEHVVVTRNRRSSAYKWKETLFSVMPGLKMTMDKTGLLLSDP DKVTIGLLF  
 WDGRGEGLRLLLLRDTDRFSSHVGGTLGQFYQEVWLGSPAASDDGRRTLRLVQGND  
 HSATRER  
 RLDYQEGPPGVEISCWSVELTRTRPLEQKLISEEDLAANDILDYKDDDDKV

<b>Purity</b>	> 80% as determined by SDS-PAGE and Coomassie blue staining.
<b>Stability</b>	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
<b>Storage</b>	Store at -80 centigrade.
<b>Concentration</b>	>50 ug/mL as determined by microplate BCA method.
<b>Preparation</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<b>Full Length</b>	Full L.

## GENE INFORMATION

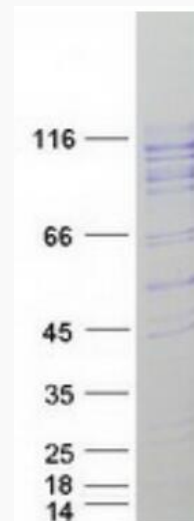
<b>Gene Name</b>	ITIH4 inter-alpha-trypsin inhibitor heavy chain 4 [ Homo sapiens (human) ]
<b>Official Symbol</b>	ITIH4

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<b>Synonyms</b>	H4P; IHRP; GP120; PK120; ITIHL1; PK-120; ITI-HC4
<b>Gene ID</b>	3700
<b>mRNA Refseq</b>	NM_002218.5
<b>Protein Refseq</b>	NP_002209.2
<b>MIM</b>	600564
<b>UniProt ID</b>	Q14624



Coomassie blue staining of purified ITIH4 protein.

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