

Recombinant Full Length Human ITIH1 Protein, GST-tagged

Cat. No. ITIH1-5812HF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ITIH1 full-length ORF (NP_002206.1, 1 a.a. - 911 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	In Vitro Cell Free System
ProteinLength	911 amino acids
Description	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]
Molecular Mass	127.8 kDa
AA Sequence	MDGAMGPRGLLLCMYLVSLILQAMPALGSATGRSKSSEKRQAVDTAVDGVFIRSL KVNCKVTSRFAHYVVTSQVVNTANEAREVAFDLEIPKTAFIGSDFAVTADGNAFIGDIK DKVTAWKQYRKAASISGENAGLVRASGRTEQFTIHLTVNPQSKVTFQLTYEEVLKR NHMQYEIVIKVKPKQLVHHFEIDVDIFEPQGISKLDAQASFLPKELAAQTIKKSFSGKK GHVLFRTVSQQQSCPTCSTSLNNGHFKVTDVSRDKICDLLVANNHFAHFFAPQNL

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TNMNKNVVFVIDISGSMRGQKVKQTKEALLKILGDMQPGDYFDLVLFGTRVQSWKG
 SLVQASEANLQAAQDFVRGFSLDEATNLNGLLRGIEILNQVQESLPELSNHASILIM
 LTDGDPTEGVTDQRSQILKNVRNAIRGRFPLYNLGFGHNVDNFLEVMSMENNGRAQ
 RIYEDHDATQQQLQGFYSQVAKPLLVDVLDLQYPQDAVLALTQNHHKQYYEGSEIVVA
 GRIADNKQSSFKADVQAHGEGQEFSITCLVDEEEMKKLLRERGHMLENHVERLWAY
 LTIQELLAKRMKVDREVRANLSSQALRMSLDYGFVTPLTSMSIRGMADQDGLKPTID
 KPSEDSPPLEMLGPRRTFVLSALQPSPTHSSSNTQRLPDRVTGVDTDPHFIIHVPQK
 EDTLCFNINEEPGVILSLVQDPNTGFSVNGQLIGNKARSPGQHDGTYFGRLGIANPA
 TDFQLEVTPQNITLNPFGGGPVFSWRDQAVLRQDGVVVTINKKRNLVVSVDGDTF
 EVVLHRVWKGSSVHQDFLGFYVLDSHRMSARTHGLLGQFFHPIGFEVSDIHPGSDP
 TKPDATMVVRNRRLTVTRGLQKDYSKDPWHGAEVSCWFIHNNAGLIDGAYTDYIV
 PDIF

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

ITIH1 inter-alpha-trypsin inhibitor heavy chain 1 [Homo sapiens]

Official Symbol

ITIH1

Synonyms

ITIH1; inter-alpha-trypsin inhibitor heavy chain 1; inter alpha (globulin) inhibitor, H1

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polypeptide; inter-alpha-trypsin inhibitor heavy chain H1; H1P; IATIH; ITIH; ITI heavy chain H1; inter-alpha (globulin) inhibitor H1; inter-alpha-inhibitor heavy chain 1; serum-derived hyaluronan-associated protein; inter-alpha (globulin) inhibitor, H1 polypeptide; inter-alpha-trypsin inhibitor complex component III; SHAP; IGHEP1; ITI-HC1; MGC126415;

Gene ID	3697
mRNA Refseq	NM_001166434
Protein Refseq	NP_001159906
MIM	147270
UniProt ID	P19827