

Recombinant Human ITIH1 Protein, His-tagged

Cat. No. ITIH1-19H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITIH1 Protein (Ser507~Asp819) was expressed in E. coli with N-terminal His Tag.
Species	Human
Source	E.coli
ProteinLength	507-819 a.a.
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.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	38.5kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 90%

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Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

GENE INFORMATION

Gene Name	ITIH1 inter-alpha-trypsin inhibitor heavy chain 1 [Homo sapiens (human)]
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Official Symbol	ITIH1
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Synonyms	H1P; ITIH; SHAP; IATIH; IGHEP1; ITI-HC1
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Gene ID	3697
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mRNA Refseq	NM_002215.3
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Protein Refseq	NP_002206.2
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MIM	147270
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UniProt ID	P19827
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