

Recombinant Human ITIH5 Protein, His-tagged

Cat. No. ITIH5-2345H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITIH5 Protein (Gln251-Asn508) with a N-His tag was expressed in E. coli.
Species	Human
Source	E.coli
ProteinLength	Gln251-Asn508
Description	This gene encodes a heavy chain component of one of the inter-alpha-trypsin inhibitor (ITI) family members. ITI proteins are involved in extracellular matrix stabilization and in the prevention of tumor metastasis. They are also structurally related plasma serine protease inhibitors and are composed of a light chain and varying numbers of heavy chains. This family member is thought to function as a tumor suppressor in breast and thyroid cancers. Alternative splicing results in multiple transcript variants.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 30.5 kDa Accurate Molecular Mass: 33 kDa
Endotoxin	<1.0 EU per 1g (determined by the LAL method).
Purity	> 95%

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Applications	Positive Control; Immunogen; SDS-PAGE; WB.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 centigrade for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.
Storage Buffer	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Reconstitution	Reconstitute in PBS or others.

GENE INFORMATION

Gene Name	ITIH5 inter-alpha-trypsin inhibitor heavy chain family, member 5 [Homo sapiens (human)]
Official Symbol	ITIH5
Synonyms	ITIH5; inter-alpha-trypsin inhibitor heavy chain family, member 5; inter alpha (globulin) inhibitor H5; inter-alpha-trypsin inhibitor heavy chain H5; MGC10848; ITI heavy chain H5; inter-alpha (globulin) inhibitor H5; inter-alpha-inhibitor heavy chain 5; ITI-HC5; PP14776; DKFZp686F0145;
Gene ID	80760
mRNA Refseq	NM_001001851
Protein Refseq	NP_001001851

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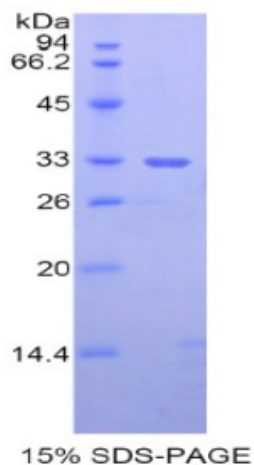
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MIM 609783

UniProt ID Q86UX2

Human ITIH5



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