

Recombinant Human ITIH2 protein, His & T7-tagged

Cat. No. ITIH2-1569H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITIH2 aa. (Gly452~Asp702 (Accession # P19823)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Gly452~Asp702
Description	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]).
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 31.6kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%
Applications	SDS-PAGE; WB; ELISA; IP.

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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°C 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°C for one month. Aliquot and store at -80°C for 12 months.
Storage buffer	Supplied as lyophilized form in PBS, pH7.4, containing 5% trehalose, 0.01% sarcosyl.
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Isoelectric Point	5.9

GENE INFORMATION

Gene Name	ITIH2 inter-alpha-trypsin inhibitor heavy chain 2 [Homo sapiens (human)]
Official Symbol	ITIH2
Synonyms	ITIH2; inter-alpha-trypsin inhibitor heavy chain 2; H2P; SHAP; inter-alpha-trypsin inhibitor heavy chain H2; ITI heavy chain H2; ITI-HC2; inter-alpha (globulin) inhibitor H2; inter-alpha (globulin) inhibitor, H2 polypeptide; inter-alpha-inhibitor heavy chain 2; inter-alpha-trypsin inhibitor complex component II; serum-derived hyaluronan-associated protein
Gene ID	3698
mRNA Refseq	NM_002216.2
Protein Refseq	NP_002207.2

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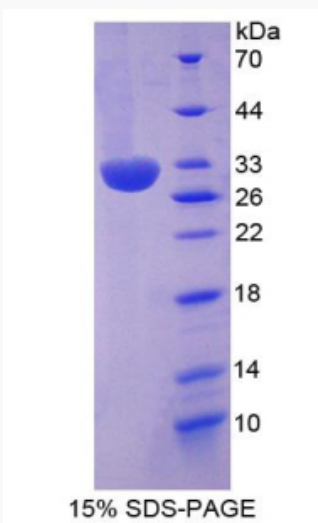
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UniProt ID

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SDS-PAGE

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