

Recombinant Human ITIH3 protein, His & T7-tagged

Cat. No. ITIH3-1568H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human ITIH3 aa. (Pro279~Val467 (Accession # Q06033)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Human
Source	E.coli
ProteinLength	Pro279~Val467
Description	This gene encodes the heavy chain subunit of the pre-alpha-trypsin inhibitor complex. This complex may stabilize the extracellular matrix through its ability to bind hyaluronic acid. Polymorphisms of this gene may be associated with increased risk for schizophrenia and major depressive disorder. This gene is present in an inter-alpha-trypsin inhibitor family gene cluster on chromosome 3.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 25.3kDa
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	5.5

GENE INFORMATION

Gene Name	ITIH3 inter-alpha-trypsin inhibitor heavy chain 3 [Homo sapiens (human)]
Official Symbol	ITIH3
Synonyms	ITIH3; inter-alpha-trypsin inhibitor heavy chain 3; H3P; SHAP; ITI-HC3; inter-alpha-trypsin inhibitor heavy chain H3; ITI heavy chain H3; inter-alpha (globulin) inhibitor H3; inter-alpha (globulin) inhibitor, H3 polypeptide; inter-alpha-inhibitor heavy chain 3; pre-alpha (globulin) inhibitor, H3 polypeptide; serum-derived hyaluronan-associated protein
Gene ID	3699
mRNA Refseq	NM_002217.3
Protein Refseq	NP_002208.3

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UniProt ID

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