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Datasheet for ABIN7318689 ITIH3 Protein (His tag)

Overview

Quantity:	50 µg
Target:	ITIH3
Origin:	Human
Source:	Human Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This ITIH3 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human ITIH3 Protein (His Tag)
Sequence:	Leu35-Asp651
Characteristics:	Recombinant Human Inter-alpha-trypsin inhibitor heavy chain H3 is produced by our Mammalian expression system and the target gene encoding Leu35-Asp651 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	ITIH3
Alternative Name:	ITIH3 (ITIH3 Products)
Background:	Background: ITIH3, which is short for Inter-alpha-trypsin inhibitor heavy chain H3, is a 890 aa. protein. It is secreted expression, and belongs to the ITIH family. I-alpha-I plasma protease

Target Details

inhibitors are assembled from one or two heavy chains (H1, H2 or H3) and one light chain, bikunin. Inter-alpha-inhibitor (I-alpha-I) is composed of H1, H2 and bikunin, inter-alpha-like inhibitor (I-alpha-LI) of H2 and bikunin, and pre-alpha-inhibitor (P-alpha-I) of H3 and bikunin. ITTH3 may act as a carrier of hyaluronan in serum or as a binding protein between hyaluronan and other matrix protein, including those on cell surfaces in tissues to regulate the localization, synthesis and degradation of hyaluronan which are essential to cells undergoing biological processes.

Synonym: Inter-alpha-trypsin inhibitor heavy chain H3, ITI heavy chain H3, ITI-HC3, Inter-alpha-inhibitor heavy chain 3, Serum-derived hyaluronan-associated protein, SHAP

Molecular Weight: 70.4 kDa

UniProt: [Q06033](#)

Pathways: [Glycosaminoglycan Metabolic Process](#)

Application Details

Restrictions: For Research Use only

Handling

Format: Lyophilized

Reconstitution: Please refer to the printed manual for detailed information.

Buffer: Lyophilized from a 0.2 µm filtered solution of 20 mM PB, 150 mM NaCl, pH 7.4.

Storage: 4 °C, -20 °C, -80 °C

Storage Comment: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.