

## Recombinant Human ITIH3 (C-6His)

Catalog No: CI25

<b>Description</b>	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.
<b>Source</b>	Human Cells
<b>Alternative name</b>	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
<b>Accession No.</b>	Q06033
<b>Predicted Molecular Weight</b>	70.4kDa
<b>AP Molecular Weight</b>	90kDa, reducing conditions.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH 7.4.
<b>Quality Control</b>	Purity: Greater than 90% as determined by reducing SDS-PAGE. Endotoxin: Less than 0.1 ng/µg (1 IEU/µg) as determined by LAL test.
<b>Shipping</b>	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
<b>Storage</b>	Lyophilized protein should be stored at < -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Background</b>	ITI3, 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 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.

### SDS-Page

