

32-8406: Recombinant Human Inter- α -Trypsin Inhibitor Heavy Chain H3/ITIH3 (C-6His)

Gene : ITIH3
Gene ID : 3699
Uniprot ID : Q06033

Description

Source: Human Cells.
MW :70.4kD.

Recombinant Human ITI 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. 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 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. ITIH3 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.

Product Info

Amount : 10 μ g / 50 μ g
Content : Lyophilized from a 0.2 μ m filtered solution of 20mM PB,150mM NaCl, pH7.4.
Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks.
Storage condition : 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.
Amino Acid : LPEGVANGIEVYSTKINSKVTSRFAHNVVMTRAVNRADTAKEVSFDVELPKTAFITNFTLTIDGVTPGNVKEKE
VAKKQYEKAVSQGKTAGLVKASGRKLEKFTVSVNVAAGSKVTFELTYEELLKRHKGYEMYLKVQPKQLVKHFE
IEVDIFEPQGISMMLDAEASFITNDLLGSALTCSFGKKGHVSKPSLDQQRSCPTCTDSSLNGDFTITYDVNRESP
GNVQIVNGYFVHFFAPQGLPVVPKNVAFVIDISGSMAGRKLEQTKALLRILEDQMEEYLNLFILFSGDVSTWKE
HLVQATPENLQEARTFVKSMEDKGMTNINDGLLRGISMMLNKAREEHRIPERSTSIVIMLTDGDANVGESRPEKIQ
ENVRNAIGGKFPLYNLGFGNNLNYNFLENMALENHGFARRIYEDSDADLQLOGFYEEVANPLLTGVEMEYPEN
AILDLTQNTYQHFYDGEIVVAGRLVDEDMNSFKADVKGHGATNDLTFTEEVDMKEMEKALQERDYIFGNYYIER
LWAYLTIEQLLEKRKNAHGEEKENLTARALDLSLKYHFVTPLTSMVVTKPEDNERAIADKPGEDAEATPVSPA
MSYLTSYQPQNPYYYVDGDVDHHHHHH

Application Note

Endotoxin : Less than 0.1 ng/ μ g (1 IEU/ μ g) as determined by LAL test.