Recombinant Full Length Human ITIH3 Protein, C-Flag-tagged

Cat. No. ITIH3-1323HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITIH3 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
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	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	99.7 kDa
AA Sequence	MAFAWWPCLILALLSSLAASGFPRSPFRLLGKRSLPEGVANGIEVYSTKINSKVTSRF AHNVVTMRAVNR ADTAKEVSFDVELPKTAFITNFTLTIDGVTYPGNVKEKEVAKKQY EKAVSQGKTAGLVKASGRKLEKFTV SVNVAAGSKVTFELTYEELLKRHKGKYEMYL KVQPKQLVKHFEIEVDIFEPQGISMLDAEASFITNDLLG SALTKSFSGKKGHVSFKPS LDQQRSCPTCTDSLLNGDFTITYDVNRESPGNVQIVNGYFVHFFAPQGLPV VPKNV AFVIDISGSMAGRKLEQTKEALLRILEDMQEEDYLNFILFSGDVSTWKEHLVQATPEN LQEARTF VKSMEDKGMTNINDGLLRGISMLNKAREEHRIPERSTSIVIMLTDGDANV GESRPEKIQENVRNAIGGKF PLYNLGFGNNLNYNFLENMALENHGFARRIYEDSDA

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

	DLQLQGFYEEVANPLLTGVEMEYPENAILDLTQN TYQHFYDGSEIVVAGRLVDEDM NSFKADVKGHGATNDLTFTEEVDMKEMEKALQERDYIFGNYIERLWAY LTIEQLLEK RKNAHGEEKENLTARALDLSLKYHFVTPLTSMVVTKPEDNEDERAIADKPGEDAEAT PVSP AMSYLTSYQPPQNPYYYVDGDPHFIIQIPEKDDALCFNIDEAPGTVLRLIQDAV TGLTVNGQITGDKRGS PDSKTRKTYFGKLGIANAQMDFQVEVTTEKITLWNRAVPS TFSWLDTVTVTQDGLSMMINRKNMVVSFGD GVTFVVVLHQVWKKHPVHRDFLGFY VVDSHRMSAQTHGLLGQFFQPFDFKVSDIRPGSDPTKPDATLVVK NHQLIVTRGSQKDYRKDASIGTKVVCWFVHNNGEGLIDGVHTDYIVPNLFTRTRPLE QKLISEEDLAANDILDYKDDDDKV
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

Gene Name	ITIH3 inter-alpha-trypsin inhibitor heavy chain 3 [Homo sapiens (human)]
Official Symbol	ITIH3
Synonyms	H3P; SHAP; ITI-HC3

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Gene ID	3699
mRNA Refseq	NM_002217.4
Protein Refseq	NP_002208.3
MIM	146650
UniProt ID	Q06033

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