

Recombinant Human ITIH3 Protein, Myc/DDK-tagged, C13 and N15-labeled

Cat. No. ITIH3-3778H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	ITIH3 MS Standard C13 and N15-labeled recombinant protein (NP_002208) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
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.
Molecular Mass	99.8 kDa
AA Sequence	MAFAWWPCLILALLSSLAASGFPRSPFRLLGKRSLPEGVANGIEVYSTKINSKVTSRF AHNVVTMRAVNRADTAKEVSFDVELPKTAFITNFTLTIDGVTYPGNVKEKEVAKKQY EKAVSQGKTAGLVKASGRKLEKFTVSVNVAAGSKVTFELTYEELLKRHKGYEMYL KVQPKQLVKHFEIEVDIFEPQGISMLDAEASFITNDLLGSALTKSFSGKKGHVSFKPSL DQQRSCPTCTDSSLNGDFTITYDVNRESPGNVQIVNGYFVHFFAPQGLPVVPKNVA FVIDISGSMAGRKLEQTKEALLRIEDMQEEDYLNFI LFSGDVSTWKEHLVQATPENL QEARTFVKSMEDKGMTNINDGLLRGISMLNKAREEHRIPERSTSIVIMLTDGDANVG ESRPEKIQENVRNAIGGKFPLYNLGFGNNLNYNFLENMALENHGFARRIYEDSDADL

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QLQGFYEEVANPLLTGVEMEYPENAILDLTQNTYQHFYDGEIVVAGRLVDEDMNSF
KADVKGHGATNDLTFTEEVDKMEKALQERDYIFGNFYIERLWAYLTIEQLLEKRKN
AHGEEKENLTARALDLSLKYHFVTPLTSMVVTKEPEDNERAIADKPGEDAEATPVS
PAMSYLTSYQPPQNPYYYVDGDPHFIIQIPEKDDALCFNIDEAPGTVLRLIQDAVTGL
TVNGQITGDKRGSPDSKTRKTYFGKLGIANAQMDFQVEVTTEKITLWNRVPSTFS
WLDTVTVTQDGLSMMINRKNMVVSFGDGVTFVVVLHQVWKKHPVHRDFLGFYVVD
SHRMSAQTHGLLGQFFQPFDFKVSDIRPGSDPTKPDATLVVKNHQLIVTRGSQKDY
RKDASIGTKVVCWFVHNNGEGLIDGVHTDYIVPNLFTTRTRPLEQKLISEEDLAANDIL
DYKDDDDKV

Purity > 80% as determined by SDS-PAGE and Coomassie blue staining

Stability Stable for 3 months from receipt of products under proper storage and handling conditions.

Storage Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

Concentration 50 µg/mL as determined by BCA

Storage Buffer 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

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

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protein

Gene ID 3699

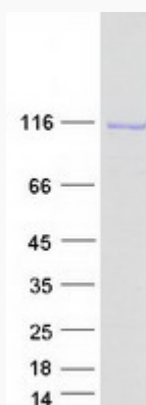
mRNA Refseq NM_002217

Protein Refseq NP_002208

MIM 146650

UniProt ID Q06033

SDS-PAGE



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