

Product datasheet for TP320252L

ITIH3 (NM_002217) Human Recombinant Protein

Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inter-alpha (globulin) inhibitor H3 (ITIH3), 1 mg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220252 protein sequence Red=Cloning site Green=Tags(s)

MAFAWWPCLILALLSSLAASGFPRSPFRLLGKRSLPEGVANGIEVYSTKINSKVTSRFAHNVVTMRVNR
ADTAKEVSFDVELPKTAFITNFTLTIDGVTYPGNVKEKEVAKKQYKAVSQGKTAGLVKASGRKLEKFTV
SVNVAAGSKVTFELTYEELLKRHKGYEMYLKVKQQLVKHFEIEVDIFEPQGISMLDAEASFITNDLLG
SALTKSFSGKKGHVSFKPSLDQQRSCPTCTDSSLNGDFTITYDVNRESPGNVQIVNGYFVHFFAPQGLPV
VPKNVAFVIDISGSMAGRKLEQTKEALLRILEDMQEEDYLNFILFSGDVSTWKEHLVQATPENLQEARTF
VKSMEDKGMTNINDGLLRGISMLNKAREEHRIPERSTSIVIMLTDGDANVGESRPEKIQENVRNAIGGKF
PLYNLGFGNNLNYNFLENMALENHGFARRIYEDSDADLQLQGFYEEVANPLLTGVEMEYPENAILDLTQN
TYQHFDYDGSEIVVAGRLVDEDMNSFKADVKGHGATNDLTFTEEVDKMEKALQERDYIFGNIERLWAY
LTIEQLLEKRKNAHGEEKENLTARALDLSLKYHFVTPLTSMVVTKPEDNERAIADKPGEDAATPVSP
AMSYLTSYQPPQNPYYYVDGDPHFIIQIPEKDDALCFNIDEAPGTVLRLIQDAVTGLTVNGQITGDKRGS
PDSKTRKTYFGKLGIANAQMDFQVEVTTEKITLWNRAVPSTFSWLDVTVTQDGLSMMINRKNMVSFGD
GVTFWVLHQVWKKHPVHRDFLGFYVVDSHRMSAQTHGLLGQFFQPFDFKVS DIRPGSDPTKPDATLVVK
NHQLIVTRGSQKDYRKDASIGTKVWCWFVHNNGEGLIDGVHTDYIVPNLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

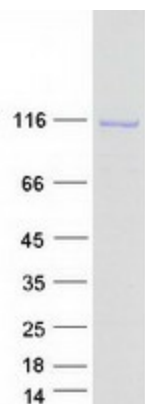
Tag:	C-Myc/DDK
Predicted MW:	99.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.



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Note:	For testing in cell culture applications, please filter before use. Note that you may experience some loss of protein during the filtration process.
Storage:	Store at -80°C.
Stability:	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
RefSeq:	NP_002208
Locus ID:	3699
UniProt ID:	Q06033
RefSeq Size:	3037
Cytogenetics:	3p21.1
RefSeq ORF:	2670
Synonyms:	H3P; ITI-HC3; SHAP
Summary:	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. [provided by RefSeq, Jul 2015]

Product images:



Coomassie blue staining of purified ITIH3 protein (Cat# [TP320252]). The protein was produced from HEK293T cells transfected with ITIH3 cDNA clone (Cat# [RC220252]) using MegaTran 2.0 (Cat# [TT210002]).