

## Product datasheet for TP320252

### ITIH3 (NM\_002217) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inter-alpha (globulin) inhibitor H3 (ITIH3), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC220252 protein sequence Red=Cloning site Green=Tags(s)

MAFAWWPCLILALLSSLAASGFPRSPFRLLGKRSLPEGVANGIEVYSTKINSKVTSRFAHNVVTMRVNR  
ADTAKEVSFDVELPKTAFITNFTLTIDGVTYPGNVKEKEVAKKQYKAVSQGKTAGLVKASGRKLEKFTV  
SVNVAAGSKVTFELTYEELLKRHKGYEMYLKVQPKQLVKHFEIEVDIFEPQGISMLDAEASFITNDLLG  
SALTKSFSGKKGHVSKPSLDQQRSCPTCTDSSLNGDFTITYDVNRESPGNVQIVNGYFVHFFAPQGLPV  
VPKNVAFVIDISGSMAGRKLEQTKEALLRILEDMQEEDYLNIFILFSGDVSTWKEHLVQATPENLQEARTF  
VKSMEDKGMTNINDGLLRGISMLNKAREEHRIPERSTSIVIMLTDGDANVGESRPEKIQENVRNAIGGKF  
PLYNLGFGNNLNYNFLENMALENHGFARRIYEDSDADLQLQGFYEEVANPLLTGVEMEYPENAILDLTQN  
TYQHFDYDGEIVVAGRLVDEDMNSFKADVKGHGATNDLTFTEEVDMMKEMEKALQERDYIFGNIERLWAY  
LTIEQLLEKRKNAHGEEKENLTARALDLSLKYHFVTPLTSMVVTKPEDNERAIADKPGEDAATPVSP  
AMSYLTSYQPPQNPYYYVDGDPHFIIQIPEKDDALCFNIDEAPGTVLRLIQDAVTGLTVNGQITGDKRGS  
PDSKTRKTYFGKLGIANAQMDFQVEVTTEKITLWNRAVPSTFSWLDTVTVTQDGLSMMINRKNMVSFGD  
GVTFWVLHQVWKKHPVHRDFLGFYVVDShRMSAQTHGLLGQFFQPFDFKVS DIRPGSDPTKPDATLVVK  
NHQLIVTRGSQKDYRKDASIGTKVWCWFVHNNGEGLIDGVHTDYIVPNLF

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

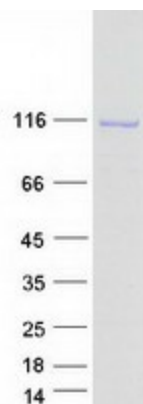
Tag:	C-Myc/DDK
Predicted MW:	99.7 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
Preparation:	Recombinant protein was captured through anti-DDK affinity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



[View online »](#)

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