

## Product datasheet for **TP319753M**

### ITIH4 (NM\_002218) Human Recombinant Protein

#### Product data:

Product Type:	Recombinant Proteins
Description:	Recombinant protein of human inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein) (ITIH4), 100 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219753 representing NM_002218 <b>Red</b> =Cloning site <b>Green</b> =Tags(s)

MKPPRPVRTCSKVLVLLSLLAIHQTTTAEKNGIDIYSLTVDSRVSSRFAHTVVTSRVNRANTVQEATFQ  
MELPKKAFITNFSMNIDGMTYPGIIKEAEQAQYSAAVAKGKSAGLVKATGRNMEQFQVSVVAPNAKI  
TFELVYEELLKRRLGVEYELLLKVRPQQVLVHLQMDIHIFEPQGIFLETSTFMTNQLVDALTTWQNKTK  
AHIRFKPTLSQQQSPEQQETVLDGNLIIRYDVEDRAISGGSIQIENGYFVHYFAPEGLTTMPKNVVFVID  
KSGSMSGRKIQQTREALIKILDDLSPRDQFNLIIVFSTEATQWRPSLVPASAENVNKARSFAAGIQALGGT  
NINDAMLMVAVQLLDSSNQEERLPEGSVSLIILLTDGDPTVGETNPRSIQNNVREAVSGRYSFLCLGFGFD  
VSYAFLEKLALDNGGLARRIHEDSDSALQLQDFYQEVANPLLTAVTFEYPSNAVEEVTQNNFRLLFKGSE  
MVVAGKLQDRGPDVLTATVSGKLPTQNITFQTESSVAEQEAEFQSPKYIFHNFMERLWAYLTIQQLLEQT  
VSASDADQQALRNQALNLSLAYSFVTPLTSMVVTKPDDQEQSQAEPMEGESRNRNVHSGSTFFKYLL  
Q  
GAKIPKPEASFSPRRGWNQAGAAAGSRMNFPRGVLSSRQLGLPGPPDVPDHAAYHPFRRLLAILPASATPA  
TSNPDPVSRVMNMKIEETMTTQTPAPIQAPSAILPLPGQSVERLCVDPRHRQGPVNLLSDPEQGVET  
GQYEREKAGFSWIEVTFKNPLVWVHASPEHVWVTRNRRSSAYKWKETLFSVMPGLKMTMDKTGLLLLS  
P  
DKVTIGLLFWDGRGEGRLRLRLDTRFSSHVGGTLGQFYQEVWLGSPAASDDGRRTLVRVQGNDSATRE  
R  
RLDYQEGPPGVEISCWSVEL

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

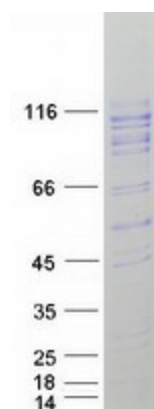
Tag:	C-Myc/DDK
Predicted MW:	100.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining



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<b>Buffer:</b>	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol
<b>Preparation:</b>	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
<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>	<u>NP_002209</u>
<b>Locus ID:</b>	3700
<b>UniProt ID:</b>	<u>Q14624</u>
<b>RefSeq Size:</b>	3260
<b>Cytogenetics:</b>	3p21.1
<b>RefSeq ORF:</b>	2790
<b>Synonyms:</b>	GP120; H4P; IHRP; ITI-HC4; ITIHL1; PK-120; PK120
<b>Summary:</b>	The protein encoded by this gene is secreted into the blood, where it is cleaved by plasma kallikrein into two smaller forms. Expression of this gene has been detected only in liver, and it seems to be upregulated during surgical trauma. This gene is part of a cluster of similar genes on chromosome 3. Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2009]

## Product images:



Coomassie blue staining of purified ITIH4 protein (Cat# [TP319753]). The protein was produced from HEK293T cells transfected with ITIH4 cDNA clone (Cat# [RC219753]) using MegaTran 2.0 (Cat# [TT210002]).