

Product datasheet for TP319753

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), 20 µg
Species:	Human
Expression Host:	HEK293T
Expression cDNA Clone or AA Sequence:	>RC219753 representing NM_002218 Red=Cloning site Green=Tags(s)

MKPPRPVRTCSKVLVLLSLLAIHQTTTAEKNGIDIYSLTVDSRVSSRFAHTVWTSRWNRANTVQEATFQ
MELPKKAFITNFSMNIDGMTYPGIIKEKAEQAQYSAAVAKGKSAGLVKATGRNMEQFQVSVVAPNAKI
TFELVYEELLKRRLGVYELLKVRPQQLVKHLQMDIHIFEPQGISFLETESTFMTNQLVDALTTWQNKTK
AHIRFKPTLSQQQKSPEQQETVLDGNLIIRYDVDRAISGGSIQIENGYFVHYFAPEGLTTPMKNVVFVID
KSGSMSGRKIQQTREALIKILDDLSPRDQFNLIVFSTEATQWRPSLVPASAENVNKARSFAAGIQALGGT
NINDAMLMAVQLDSSNQEERLPEGSVSLIILLTDGDPTVGETNPRS IQNNVREAVSGRYSLFC LGFGFD
VSYAFLEKLALDNGGLARRIHEDSDSALQLQDFYQEVANPLLTAVTFEYPSNAVEEVTQNNFRLLFKGSE
MVVAGKLQDRGPDVLTATVSGKLPTQNITFQTESSVAEQEAEFQSPKYIFHNFMERLWAYLTIQQLLEQT
VSASDADQQALRNQALNLSLAYSFVTPLTSMVVTKPDDQEQSQVAEKPMEGESRNRNVHSGSTFFKYLLQ
GAKIPKPEASFSPRRGWNRRQAGAAGSRMNFVRPGLVSSRQLGLPGPPDPDHAAYHPFRRLAILPASATPA
TSNPDPAVSRVMNMKIEETMTTQTPAPIQAPSAILPLPGQSVERLCVDPHRHRQGPVNLLSDPEQGVVET
GQYEREKAGFSWIEVTFKNPLVWVHASPEHVWVTRNRRSSAYKWKETLFSVMPGLKMTMDKTGLLLLSDP
DKVTIGLLFWDGRGEGRLRRLLRDTDRFSSHVGGTLGQFYQEVWLGSPAASDDGRRTLVRVQGNDSATRER
RLDYQEGPPGVEISCWSVEL

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

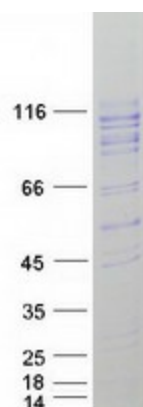
Tag:	C-Myc/DDK
Predicted MW:	100.3 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



[View online »](#)

Preparation:	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
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:	<u>NP_002209</u>
Locus ID:	3700
UniProt ID:	<u>Q14624</u> , <u>B7ZKJ8</u> , <u>B2RMS9</u>
RefSeq Size:	3260
Cytogenetics:	3p21.1
RefSeq ORF:	2790
Synonyms:	GP120; H4P; IHRP; ITI-HC4; ITIHL1; PK-120; PK120
Summary:	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]).