

## Product datasheet for **TP314536M**

### ITIH5 (NM\_030569) Human Recombinant Protein

#### Product data:

**Product Type:** Recombinant Proteins

**Description:** Purified recombinant protein of Human inter-alpha (globulin) inhibitor H5 (ITIH5), transcript variant 1, full length, with C-terminal MYC/DDK tag, expressed in HEK293 cells, 100 µg

**Species:** Human

**Expression Host:** HEK293

**Expression cDNA Clone or AA Sequence:** >RC214536 representing NM\_030569  
**Red**=Cloning site **Green**=Tags(s)

MLLLLGLCLGLSLCVGSQEEAQSWSGHSSSEQDGLRVPRQVRLQLKTKPLMTEFSVKSTIISRYAFTTVS  
CRMLNRASEDQDIEFQMIPAAAFITNFTMLIGDKVYQGEITEREKKSGDRVKEKRNKTEENGEKGTETI  
FRASAVIPSKDKAAFFLSYEELLQRRLGKYEHSISVRPQQLSGRLSVDVNILESAGIASLEVLPLHNSRQ  
RGSGRGEDDSGPPPSTVINQNETFANIIFKPTVVQQARIAQNGILGDFIIRYDVNREQSIGDIQVLNGYF  
VHYFAPKDLPLPKNVFVLDSSASMVGTKLRQTKDALFTILHDLRPQDRFSIIGFSNRIKVVWDHLISV  
TPDSIRDGKVYIHHMSPTGGTDINGALQRAIRLLNKYVAHSGIGDRSVSLIVFLTDGKPTVGETHTLKIL  
NNTREARGQVCIFTIGINDVDFRLLKLSLENCGLTRRVHEEEDAGSQLIGFYDEIRTPLLSDIRIDY  
PPSSVVQATKTLFPNYFNGSEIIIAGKLVDRKLDHLHVEVTASNSKKFIILKTDVVPVRPQKAGKDVTVGSP  
RPGGDGEGDTNHIERLWSYLTTKELLSSWLQSDDEPEKERLRQRAQALAVSYRFLTPFTSMKLRGPVPRM  
DGLLEAHGMSAAMGPEPVVQSVRGAGTQPGPLLKPYQPRIKISKTSVDGDPHFVDFPLSRLTVCFNID  
GQPGDILRLVSDHRDSGVTVNGELIGAPAPPNGHKKQRTYLRTITILINKPERSYLEITPSRVLDGGDR  
LVLPCNQSVVGSWGLEVSANANVTVTIQGSIAFVILIHLYKKPAPFQRHHLGFYIANSEGLSSNCHG  
LLGQFLNQDARLTEDPAGPSQNLTHPLLLQVGGPEAVLTVKGHQVPVWVKQRKIYNGEEQIDCWFARNN  
AAKLIDGEYKDYLAHPFDTGMDTWPGNVQGALKLAALKMQVHEGQ

**TRTRPLEQKLISEEDLAANDILDYKDDDDKV**

**Tag:** C-Myc/DDK

**Predicted MW:** 105.9 kDa

**Concentration:** >0.05 µg/µL as determined by microplate BCA method

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

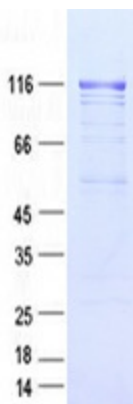
**Buffer:** 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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<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>	<a href="#">NP_085046</a>
<b>Locus ID:</b>	80760
<b>UniProt ID:</b>	<a href="#">Q86UX2</a> , <a href="#">C9J2H1</a>
<b>RefSeq Size:</b>	6331
<b>Cytogenetics:</b>	10p14
<b>RefSeq ORF:</b>	2868
<b>Synonyms:</b>	ITI-HC5; PP14776
<b>Summary:</b>	This gene encodes a heavy chain component of one of the inter-alpha-trypsin inhibitor (ITI) family members. ITI proteins are involved in extracellular matrix stabilization and in the prevention of tumor metastasis. They are also structurally related plasma serine protease inhibitors and are composed of a light chain and varying numbers of heavy chains. This family member is thought to function as a tumor suppressor in breast and thyroid cancers. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Aug 2011]

### Product images:



Coomassie blue staining of purified ITIH5 protein (Cat# [TP314536]). The protein was produced from HEK293T cells transfected with ITIH5 cDNA clone (Cat# [RC214536]) using MegaTran 2.0 (Cat# [TT210002]).