

Product datasheet for TP314536L

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, 1 mg
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	>RC214536 representing NM_030569 Red=Cloning site Green=Tags(s)

MLLLLGLCLGLSLCVGSQEEAQSWSGHSSEQDGLRVPRQVRLQLKTKPLMTEFSVKSTIISRYAFTTVS
CRMLNRASEDQDIEFQMIPAAAFITNFTMLIGDKVYQGEITEREKKSGDRVKEKRNKTEENGEKGTET
FRASAVIPSKDKAAFFLSYEELLQRRLGKYEHSISVRPQQLSGRLSVDVNILESAGIASLEVLPLHNSRQ
RGSGRGEDDSGPPPSTVINQNETFANIIFKPTVVQQARIAQNGILGDFIIRYDVNREQSIGDIQVLNGYF
VHYFAPKDLPLPKNVFVLDSSASMVGTKLRQTKDALFTILHDLRPQDRFSIIGFSNRIKVVWDHLISV
TPDSIRDGKVYIHHMSPTGGTDINGALQRAIRLLNKYVAHSGIGDRSVSLIVFLTDGKPTVGETHTLKIL
NNTREARGQVCIFTIGINDVDFRLLKLSLENCGLTRRVHEEEDAGSQLIGFYDEIRTPLLSDIRIDY
PPSSVVQATKTLFPNYFNGSEIIIAGKLVDRKLDHLHVEVTASNSKKFIILKTDVVPVRPQKAGKDVGTGSP
RPGGDGEGDTNHIERLWSYLTTKELLSSWLQSDDEPEKERLRQRAQALAVSYRFLTPFTSMKLRGPVPRM
DGLLEAHGMSAAMGPEPVVQSVRGAGTQPGPLLKPYQPRIKISKTSVDGDPHFVDFPLSRLTVCFNID
GQPGDILRLVSDHRDSGVTVNGELIGAPAPPNGHKKQRTYLRTITILINKPERSYLEITPSRVLDGGDR
LVLPCNQSVVGSWGLEVSANANVTVTIQGSIAFVILIHLYKKPAPFQRHHLGFYIANSEGLSSNCHG
LLGQFLNQDARLTEDPAGPSQNLTHPLLLQVGGPEAVLTVKGHQVPVWVKQRKIYNGEEQIDCWFAFARN
AAKLIDGEYKDYLAHPFDTGMDTWPGNVQGALKLAALKMQVHEGQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

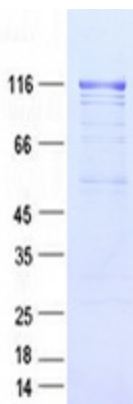
Tag:	C-Myc/DDK
Predicted MW:	105.9 kDa
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol



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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:	NP_085046
Locus ID:	80760
UniProt ID:	Q86UX2 , C9J2H1
RefSeq Size:	6331
Cytogenetics:	10p14
RefSeq ORF:	2868
Synonyms:	ITI-HC5; PP14776
Summary:	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]).