

Recombinant Full Length Human ITIH5 Protein, C-Flag-tagged

Cat. No. ITIH5-992HFL **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Full Length Human ITIH5 Protein, fused to Flag-tag at C-terminus, was expressed in Mammalian cells.
Species	Human
Source	Mammalian Cells
Description	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.
Form	25 mM Tris HCl, pH 7.3, 100 mM glycine, 10% glycerol.
Molecular Mass	105.9 kDa
AA Sequence	MLLLLGLCLGLSLCVGSQEEAQSWGHSSEQDGLRVPRQVRLLQRLKTKPLMTEFSV KSTIISRYAFTTVS CRMLNRASEDQDIEFQMQIPAAAFITNFTMLIGDKVYQGEITERE KKSGDRVKEKRNKTTEENGEKGTET FRASAVIPSKDKAAFFLSYEELLQRRLGKYEYH SISVRPQQQLSGRLSVDVNILESAGIASLEVLPLHNSRQ RGSGRGEDDSGPPPSTVIN QNETFANIIFKPTVVQQARIAQNGILGDFIIRYDVNREQSIGDIQVLNGYF VHYFAPKD LPPLPKNVVFLDSSASMVGTKLRQTKDALFTILHDLRPQDRFSIIGFSNRIKVWKDH

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LISV TPDSIRDGKVIYIHHMSPTGGTDINGALQRAIRLLNKYVAHSGIGDRSVSLIVFLT
 DGKPTVGETHTLKIL NNTREAARGQVCIFTIGIGNDVDFRLLLEKLSLENCGLTRRVHE
 EEDAGSQLIGFYDEIRTPLLSDIRIDY PPSSVVQATKTLFPNYFNGSEIIIAGKLVDRKL
 DHLHVEVTASNSKKFIILKTDVPVRPQKAGKDVGTGSP RPPGGDGEGDTNHIERLWSY
 LTTKELLSSWLQSDDEPEKERLRQRAQALAVSYRFLTPFTSMKLRGPVPRM DGLEE
 AHGMSAAMGPEPVVQSVRGAGTQPGPLLKKPYQPRIKISKTSVDGDPHFVVDPLS
 RLTVCFNID GQPGDILRLVSDHRDSGVTVNGELIGAPAPPNGHKKQRTYLRTITILIN
 KPERSYLEITPSRVILDGGDR LVLPCNQSVVVGSWGLEVSVSANANVTVTIQGSIAF
 VILIHLYKKPAPFQRHHLGFYIANSEGLSSNCHG LLGQFLNQDARLTEDPAGPSQNL
 THPLLLQVGEGPEAVLTVKGHQVPVWVKQRKIYNGEEQIDCWFARNN
 AAKLIDGEYKDYLAHPFDTGMDTWPGNVQGALKLAALKMQVHEGQTRTRPLEQKL
 ISEEDLAANDILDYKDDDDKV

Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining.
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade.
Concentration	>50 ug/mL as determined by microplate BCA method.
Preparation	Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps.
Full Length	Full L.

GENE INFORMATION

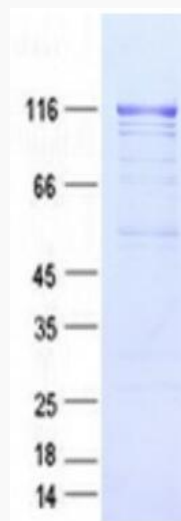
Gene Name [ITIH5 inter-alpha-trypsin inhibitor heavy chain 5 \[Homo sapiens \(human\) \]](#)

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Official Symbol	ITIH5
Synonyms	ITI-HC5; PP14776
Gene ID	80760
mRNA Refseq	NM_030569.7
Protein Refseq	NP_085046.5
MIM	609783
UniProt ID	Q86UX2



Coomassie blue staining of purified ITIH5 protein.

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