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

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

## SPECIFICATION

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| **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 KKSGDRVKEKRNKTTEENGEKGTEI FRASAVIPSKDKAAFFLSYEELLQRRLGKYEH SISVRPQQLSGRLSVDVNILESAGIASLEVLPLHNSRQ RGSGRGEDDSGPPPSTVIN QNETFANIIFKPTVVQQARIAQNGILGDFIIRYDVNREQSIGDIQVLNGYF VHYFAPKD LPPLPKNVVFVLDSSASMVGTKLRQTKDALFTILHDLRPQDRFSIIGFSNRIKVWKDH |

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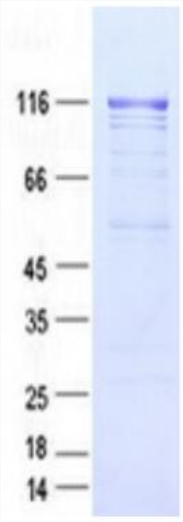
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| | LISV TPDSIRDGKVYIHHMSPTGGTDINGALQRAIRLLNKYVAHSGIGDRSVSLIVFLT DGKPTVGETHTLKIL NNTREAARGQVCIFTIGIGNDVDFRLLEKLSLENCGLTRRVHE EEDAGSQLIGFYDEIRTPLLSDIRIDY PPSSVVQATKTLFPNYFNGSEIIIAGKLVDRKL DHLHVEVTASNSKKFIILKTDVPVRPQKAGKDVTGSP RPGGDGEGDTNHIERLWSY LTTKELLSSWLQSDDEPEKERLRQRAQALAVSYRFLTPFTSMKLRGPVPRM DGLEE AHGMSAAMGPEPVVQSVRGAGTQPGPLLKKPYQPRIKISKTSVDGDPHFVVDFPLS RLTVCFNID GQPGDILRLVSDHRDSGVTVNGELIGAPAPPNGHKKQRTYLRTITILIN KPERSYLEITPSRVILDGGDR LVLPCNQSVVVGSWGLEVSVSANANVTVTIQGSIAF VILIHLYKKPAPFQRHHLGFYIANSEGLSSNCHG LLGQFLNQDARLTEDPAGPSQNL THPLLLQVGEGPEAVLTVKGHQVPVVWKQRKIYNGEEQIDCWFARNN AAKLIDGEYKDYLASHPFDTGMDTWPGNVQGALKLAALKMQVHEGQTRTRPLEQKL 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

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| **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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