

# Recombinant Human ITIH2 Protein, Myc/DDK-tagged, C13 and N15-labeled

**Cat. No.** ITIH2-1999H    **Lot. No.** (See product label)

## SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product Overview</b> | ITIH2 MS Standard C13 and N15-labeled recombinant protein (NP_002207) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| <b>Species</b>          | Human                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Source</b>           | HEK293                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Description</b>      | The inter-alpha-trypsin inhibitors (ITI) are a family of structurally related plasma serine protease inhibitors involved in extracellular matrix stabilization and in prevention of tumor metastasis. The ITI family contains multiple proteins made up of a light chain and a variable number of heavy chains.                                                                                                                                                                                                                                                        |
| <b>Molecular Mass</b>   | 106.3 kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>AA Sequence</b>      | MKRLTCFFICFFLSEVSGFEIPINGLSEFVDYEDLVELAPGKFQLVAENRRYQRS LPG<br>ESEEMMEEVDQVTLYSYKVQSTITSRMATTMIQSKVVNNSPQPQNVVFDVQIPKGA<br>FISNFSMTVDGKTRSSIKEKTVGRALYAQARAKGKTAGLVRSSALDMENFRTEVNV<br>LPGAKVQFELHYQEYKWRKLGSEYHRIYLPGR LAKHLEVDVWVIEPQGLRFLHVP<br>DTFEGHFDGVPVISKGQQKAHV SFKPTVAQQRICPSCRETAVDGELVVLYDVKREE<br>KAGELEVFNQYFVHFFAPDNLDPIPKNILFVIDVSGSMWGVKMKQTVEAMKTILDDL<br>RAEDHFSVIDFNQNI RTWRNDLISATKTQVADAKRYIEKIQPSGGTNINEALLRAIFILN<br>EANNLGLLDPNSVSLIILVSDGDPTVGELKLSKIQKNVKENIQDNISLFSLGMGFDVDY<br>DFLKRLSNENHGIAQRIYGNQDTSSQLKKFYNQVSTPLLRNVQFNYPHTSVTDVTQN |

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NFHNYFGGSEIVVAGKFDPKLDQIESVITATSANTQLVLETLAQMDDLQDFLSKDKH  
ADPDFTRKLWAYLTINQLLAERSLAPTAALKRRITRSILQMSLDHHIVTPLTSLVIENEA  
GDERMLADAPPQDPSCCSGALYYGSKVVPDSTPSWANPSPTPVISMLAQGSQVLE  
STPPPHVMRVENDPHFIIYLPKSQKNICFNIDSEPGKILNLVSDPESGIVVNGQLVGAK  
KPNNGKLSTYFGKLGIFYFQSEDIKIEISTETITLSHGSSTFSLSWSDTAQVTNQRVQIS  
VKKEKVVTITLDKEMSFVLLHRVWKKHPVNVDFLGIYIPPTNKFSPKAHGLIGQFMQ  
EPKIHIFNERPGKDPEKPEASMEVKGQKLIITRGLQKDYRTDLVFGTDVTCWVHNS  
GKGFDGHYKDYFVPQLYSFLKRPTTRTRPLEQKLISEEDLAANDILDYKDDDDKV

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

**Stability** Stable for 3 months from receipt of products under proper storage and handling conditions.

**Storage** Store at -80 centigrade. Avoid repeated freeze-thaw cycles.

**Concentration** 50 µg/mL as determined by BCA

**Storage Buffer** 100 mM glycine, 25 mM Tris-HCl, pH 7.3.

## GENE INFORMATION

**Gene Name** [ITIH2 inter-alpha-trypsin inhibitor heavy chain 2 \[ Homo sapiens \(human\) \]](#)

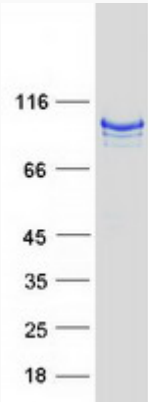
**Official Symbol** [ITIH2](#)

**Synonyms** ITIH2; inter-alpha-trypsin inhibitor heavy chain 2; inter alpha (globulin) inhibitor, H2 polypeptide; inter-alpha-trypsin inhibitor heavy chain H2; H2P; ITI-HC2; ITI heavy chain H2; inter-alpha (globulin) inhibitor H2; inter-alpha-inhibitor heavy chain 2; serum-derived hyaluronan-associated protein; inter-alpha (globulin) inhibitor, H2 polypeptide; inter-alpha-trypsin inhibitor complex component II; SHAP;

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|-----------------------|-------------------------------------------------------------------------------------|
| <b>Gene ID</b>        | 3698                                                                                |
| <b>mRNA Refseq</b>    | NM_002216                                                                           |
| <b>Protein Refseq</b> | NP_002207                                                                           |
| <b>MIM</b>            | 146640                                                                              |
| <b>UniProt ID</b>     | P19823                                                                              |
| <b>SDS-PAGE</b>       |  |