

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

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

SPECIFICATION

Product Overview	ITIH2 MS Standard C13 and N15-labeled recombinant protein (NP_002207) with a C-terminal MYC/DDK tag, was expressed in HEK293 cells.
Species	Human
Source	HEK293
Description	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.
Molecular Mass	106.3 kDa
AA Sequence	MKRLTCFFICFFLSEVSGFEIPINGLSEFVDYEDLVELAPGKFQLVAENRRYQRS LPG ESEEMMEEVDQVTLYSYKVQSTITSRMATTMIQSKVVNNSPQPQNVVFDVQIPKGA FISNFSMTVDGKTRSSIKEKTVGRALYAQARAKGKTAGLVRSSALDMENFRTEVNV LPGAKVQFELHYQEYKWRKLGSYEHRIYLQPGRLAKHLEVDVWVIEPQGLRFLHVP DTFEGHFDGVPVISKGQQKAHVSFKPTVAQQRICPSCRETAVDGELVVLYDVKREE KAGELEVFNQYFVHFFAPDNLDPIPKNILFVIDVSGSMWGVKMKQTVEAMKTILDDL RAEDHFSVIDFNQNI RTWRNDLISATKTQVADAKRYIEKIQPSGGTNINEALLRAIFILN EANNLGLLDPNNSVSLIILVSDGDPTVGELKLSKIQKNVKENIQDNISLFSLGMGFDVDY 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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Gene ID	3698
mRNA Refseq	NM_002216
Protein Refseq	NP_002207
MIM	146640
UniProt ID	P19823
SDS-PAGE	