

Product datasheet for TP324384M

ITIH2 (NM_002216) Human Recombinant Protein

Product data:

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| Product Type: | Recombinant Proteins |
| Description: | Recombinant protein of human inter-alpha (globulin) inhibitor H2 (ITIH2), 100 µg |
| Species: | Human |
| Expression Host: | HEK293T |
| Expression cDNA Clone or AA Sequence: | >RC224384 representing NM_002216 Red=Cloning site Green=Tags(s) |

MKRLTCFFICFFLSEVSGFEIPINGLSEFVDYEDLVELAPGKFQQLVAENRRYQRSLPGESEEMMEEVDQV
 TLYSYKVQSTITSRMATTMIQSKVNNSPQPQNWFDVQIPKGAFISNFSMTVDGKTRSSIKEKTVGRA
 LYAARAKGKTAGLVRSSALDMENFRTEVNVLPGAKVQFELHYQEVKWRKLGSEYHRIYLPGRLLAKHLE
 VDVVWIEPQGLRFLHVPDTFEGHFDGVPVISKGQQKAHVSKPTVAQQRICPSCRETAVDGELVVLYDVK
 REEKAGELEVFNQYFVHFFAPDNLDPKIPKILFVIDVSGSMWGVKMKQTVEAMKTIKLLRAEDHFSVID
 FNQNIPTWRNDLISATKTQVADAKRYIEKIQPSGGTNINEALLRAIFILNEANNLGLDPNSVSLIILVS
 DGDPTVGGELKLSKIQKNVKENIQDNISLFLSGMGFDVDYDFLKRSLNENHGIAQRIYGNQDTSQKPKFY
 NQVSTPLLRNVQFNYPHTSVTDVTQNNFHNYFGGSEIVVAGKFDPAKLDQIESVITATSANTQLVLETLA
 QMDDLQDFLSKDKHADPDFTRKLWAYLTINQLLAERSLAPTAALKRRITRILQMSLDHHIVTPLTSLVI
 ENEAGDERMLADAPPQDPSCCSGALYYGSKVVPDSTPSWANPSPTPVISMALAQGSQVLESTPPPHVMRVE
 NDPHFIIYLPKSQKNICFNIDSEPGKILNLVSDPESGIVVNGQLVGAKKPNNGKLSYFGKLGFFQSED
 IKIEISTETITLSHGSSTFSLWSDTAQVTNQRVQISVKEKVVITLTKEMSFVLLHRVWKKHPVNVD
 FLGIYIPPTNKFSKPAHGLIGQFMQEPKIHIFNERPGKDPEKPEASMEVKGQKLIITRGLQKDYRTDLVF
 GTDVTCWFVHNSGKGFIDGHYKDYFVPQLYSFLKRP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

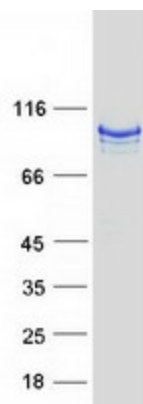
| | |
|----------------|--|
| Tag: | C-Myc/DDK |
| Predicted MW: | 106.3 kDa |
| Concentration: | >0.05 µg/µL as determined by microplate BCA method |
| Purity: | > 80% as determined by SDS-PAGE and Coomassie blue staining |
| Buffer: | 25 mM Tris-HCl, 100 mM glycine, pH 7.3, 10% glycerol |
| Preparation: | Recombinant protein was captured through anti-DDK affinity column followed by conventional chromatography steps. |



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| 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_002207 |
| Locus ID: | 3698 |
| UniProt ID: | P19823 |
| RefSeq Size: | 3198 |
| Cytogenetics: | 10p14 |
| RefSeq ORF: | 2838 |
| Synonyms: | H2P; SHAP |
| Summary: | 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 (see MIM 176870) and a variable number of heavy chains (Salier et al., 1987 [PubMed 2446322]; Himmelfarb et al., 2004 [PubMed 14744536]).[supplied by OMIM, Nov 2009] |

Product images:



Coomassie blue staining of purified ITIH2 protein (Cat# [TP324384]). The protein was produced from HEK293T cells transfected with ITIH2 cDNA clone (Cat# [RC224384]) using MegaTran 2.0 (Cat# [TT210002]).