# Recombinant Human ITIH4 protein, His-tagged

**Cat. No.** ITIH4-1565H **Lot. No.** (See product label)

## SPECIFICATION

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| **Product Overview** | Recombinant Human ITIH4 aa. (Lys273~Ala424 (Accession # Q14624)) fused with N-terminal His tag was produced in E. coli cells. |
| **Species** | Human |
| **Source** | E.coli |
| **ProteinLength** | Lys273~Ala424 |
| **Description** | The protein encoded by this gene is secreted into the blood, where it is cleaved by plasma kallikrein into two smaller forms. Expression of this gene has been detected only in liver, and it seems to be upregulated during surgical trauma. This gene is part of a cluster of similar genes on chromosome 3. Two transcript variants encoding different isoforms have been found for this gene. |
| **Form** | Freeze-dried powder |
| **Molecular Mass** | 18kDa as determined by SDS-PAGE reducing conditions. |
| **Endotoxin** | <1.0EU per 1ug (determined by the LAL method) |
| **Purity** | >95% |
| **Applications** | SDS-PAGE; WB; ELISA; IP. |

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

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| **Stability** | The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition. |
| **Storage** | Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. |
| **Storage buffer** | Supplied as liquid form in Phosphate buffered saline(PBS), pH 7.4. |
| **Reconstitution** | Reconstitute in sterile PBS, pH7.2-pH7.4. |
| **Isoelectric Point** | 5.8 |

## GENE INFORMATION

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| **Gene Name** | ITIH4 inter-alpha-trypsin inhibitor heavy chain family member 4 [ Homo sapiens (human) ] |
| **Official Symbol** | ITIH4 |
| **Synonyms** | ITIH4; inter-alpha-trypsin inhibitor heavy chain family member 4; H4P; IHRP; GP120; PK120; ITIHL1; PK-120; ITI-HC4; inter-alpha-trypsin inhibitor heavy chain H4; ITI heavy chain H4; inter-alpha (globulin) inhibitor H4 (plasma Kallikrein-sensitive glycoprotein); inter-alpha-inhibitor heavy chain 4; inter-alpha-trypsin inhibitor family heavy chain-related protein; inter-alpha-trypsin inhibitor, heavy chain-like, 1; plasma kallikrein-sensitive glycoprotein 120 |
| **Gene ID** | 3700 |
| **mRNA Refseq** | NM_001166449.1 |

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| **Protein Refseq** | NP_001159921.1 |
| **UniProt ID** | Q14624 |

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