Recombinant Mouse Itih4 protein, His & T7-tagged

Cat. No. Itih4-1566M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itih4 aa. (His721~Ile942 (Accession # A6X935)) fused with N-terminal His & T7 tag was produced in E. coli cells.
Species	Mouse
Source	E.coli
ProteinLength	His721~Ile942
Description	This gene encodes a member of the inter-alpha trypsin inhibitor (IaI) family of plasma serine protease inhibitors with diverse functions as anti-apoptotic and matrix stabilizing molecules during development. This gene is predominantly expressed in the liver and the encoded protein was found to be a plasma kallikrein-sensitive glycoprotein. This gene is located in a cluster of related inter alpha trypsin inhibitor genes on chromosome 14. Alternative splicing results in multiple transcript variants encoding different isoforms.
Form	Freeze-dried powder
Molecular Mass	Predicted Molecular Mass: 28.7kDa
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	>95%

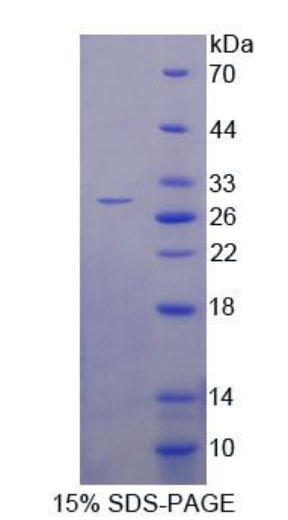
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Applications	SDS-PAGE; WB; ELISA; IP.
Stability	The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and 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 lyophilized form in 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% sarcosyl, 5% trehalose, and preservative.
Reconstitution	Reconstitute in sterile ddH2O.
Isoelectric Point	5.7

GENE INFORMATION

Gene Name	Itih4 inter alpha-trypsin inhibitor, heavy chain 4 [Mus musculus (house mouse)]
Official Symbol	Itih4
Synonyms	Itih4; inter alpha-trypsin inhibitor, heavy chain 4; Itih-4; PK-120; ITI-HC4; ITI heavy chain H4; inter-alpha-inhibitor heavy chain 4
Gene ID	16427
mRNA Refseq	NM_001159299.2
Protein Refseq	NP_001152771.1

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UniProt ID	A6X935
SDS-PAGE	 15% SDS-PAGE

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