

Recombinant Mouse ITIH1 Protein, His-tagged

Cat. No. ITIH1-20M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse ITIH1 Protein (Ile413~Leu660 (Accession # Q61702)) was expressed in E. coli with N-terminal His Tag.
Species	Mouse
Source	E.coli
ProteinLength	413-660 a.a.
Description	This gene encodes a heavy chain of inter-alpha trypsin inhibitor (IaI) family of plasma serine protease inhibitors. IaI proteins are protein-glycosaminoglycan-protein complexes comprised of two heavy chains and a light chain. The encoded protein covalently associates with the light chain via a chondroitin sulfate moiety. Intravenous administration of the encoded protein improved survival of mice after infection with Escherichia coli. This gene is located adjacent to two other IaI heavy chain genes. Alternative splicing results in multiple transcript variants encoding different isoforms that may undergo similar proteolytic processing to generate mature protein.
Form	PBS, pH7.4, containing 0.01% SKL, 1mM DTT, 5% Trehalose and Proclin300.
Molecular Mass	32.0kDa
Endotoxin	<1.0EU per 1g (determined by the LAL method)
Purity	> 95%

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Storage

Avoid repeated freeze/thaw cycles. Store at 2-8 centigrade for one month. Aliquot and store at -80 centigrade for 12 months.

GENE INFORMATION

Gene Name *Itih1* inter-alpha trypsin inhibitor, heavy chain 1 [*Mus musculus* (house mouse)]

Official Symbol *Itih1*

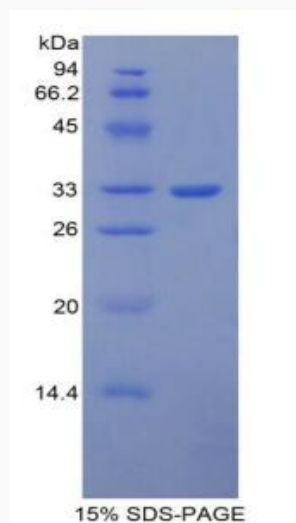
Synonyms Intin1; Itih-1; ITI-HC1

Gene ID 16424

mRNA Refseq NM_008406.3

Protein Refseq NP_032432.2

UniProt ID Q61702



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