

Recombinant Mouse Itih2 mutant protein, His tagged

Cat. No. Itih2-979M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Itih2 mutant protein (D702Q) with His tag was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	55-702 aa
Description	Predicted to enable hyaluronic acid binding activity. Predicted to be involved in hyaluronan metabolic process. Located in collagen-containing extracellular matrix. Is expressed in germ cell of testis; gut; liver; and meninges. Orthologous to human ITIH2 (inter-alpha-trypsin inhibitor heavy chain 2).
AASequence	MHHHHHHHSLPEESGEETDTPVTLYSYKVQSTITSRVATTTIQSKLVNNSPLPQ SVVFDVQIPKGAFISNFTMTVNGMTFTSSIKEKTVGRALYSQARAKGKTAGWVRST LDMENFNTEVNIPPGAKVQFELHYQEVKWRKLGSYEHKIHLQPGKLAKHLEVNWII EPQGMRLHVPDTEFGHFQGVPIVSKGQQKAHVSVFKPTVAQQRKCPNCTETAVNG ELVVMYDVNREEKAGELEVNGYFVHFFAPENLDPKPKNILFVIDVSGSMWGIMKQ TVEAMKTILDDLRTDDQFSVDFNHNVRTWRNDLVSATKTQIADAKRYIEKIQPSGG TNINEALLRAIFILNEASNMGLLNPDSVSLIILVSDGDPTVGELKLSKIQKNVKQSIQDNI SLFSLGIGFDVDYDFLKRLSNENRGIAQRIYGNQDTSSQLKKFYNQVSTPLLRNVQF NYPQASVTDVTQNNFHNFGGSEIVVAGKFDPSKLTEVQSIITATSANTELVLLETLSQ MDDLEEFSLSKDKHADPDFTKKLWAYLTINQLLAERSLAPTAAIKRKITKITLQMSLDHH

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	IVTPLTAMVIENDAGDERMLADSPQDHSCCSGALYYGTKVASGPIPSWANPSPTP MSAMLAVGAKPLESTPPTHNLNQVENQ
Molecular Mass	73 kDa
Endotoxin	< 0.1 EU/μg of the protein by the LAL method.
Purity	> 80% by SDS-PAGE
Storage	Store it under sterile conditions at -20 to -80 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Sterile PBS, pH7.4, 200mM Argine
Concentration	0.22 mg/mL by BCA

GENE INFORMATION

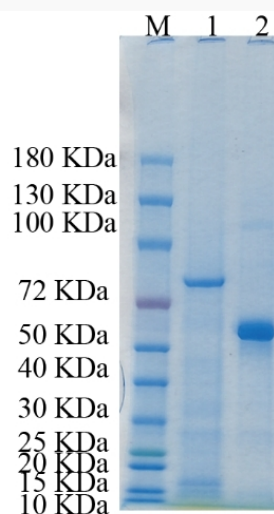
Gene Name	<i>Itih2</i> inter-alpha trypsin inhibitor, heavy chain 2 [<i>Mus musculus</i>]
Official Symbol	<i>Itih2</i>
Synonyms	ITIH2; inter-alpha trypsin inhibitor, heavy chain 2; inter-alpha-trypsin inhibitor heavy chain H2; ITI-HC2; ITI heavy chain H2; inter-alpha-inhibitor heavy chain 2; Intin2; Itih-2; AI747202
Gene ID	16425
mRNA Refseq	NM_010582
Protein Refseq	NP_034712

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SDS-PAGE



Reducing 4%-20% SDS-PAGE (CBB stained) analysis profile of purified Itih2. 1.

Itih2: 1 µg 2. BSA: 1 µg

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