

Inter Alpha-Globulin Inhibitor H5 (ITIH5) Recombinant Protein | ITIH5 recombinant protein

Recombinant Inter Alpha-Globulin Inhibitor H5 (ITIH5)

CATALOG # AAA134438	HOST E. coli	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

Inter Alpha-Globulin Inhibitor H5 (ITIH5); Recombinant Inter Alpha-Globulin Inhibitor H5 (ITIH5); ITIH5 recombinant protein

PRODUCT SPECIFICATIONS

Host	E. coli
Purity/Purification	>90%
Form/Format	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA 1mM DTT, 0.01% sarcosyl, 5% Trehalose and Proclin300.
Concentration	Original Concentration: 200 ug/mL (varies by lot)
Applicable Applications for ITIH5 recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression.
Residues	Asp569-Gln737
Tags	N-terminal His-Tag
Subcellular Location	Secreted
Traits	Freeze-dried powder
Predicted isoelectric point	6.8
Predicted Molecular Mass	20.2kDa
Accurate Molecular Mass	25kDa as determined by SDS-PAGE reducing conditions.
Phenomenon explanation	The possible reasons that the actual band size differs from the predicted are as follows: 1. Splice variants: Alternative splicing may create different sized proteins from the same gene. 2. Relative charge: The composition of amino acids may affects the charge of the protein. 3. Post-translational modification: Phosphorylation, glycosylation, methylation etc. 4. Post-translation cleavage: Many proteins are synthesized as pro-proteins, and then cleaved to give the active form. 5. Polymerization of the target protein: Dimerization, multimerization etc.
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Storage: Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months. Stability Test: 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 degree 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.

IMAGES

Application Data



Sequence



SDS-PAGE



NCBI AND UNIPROT INFORMATION

NCBI GI #	27369644
NCBI GeneID	209378
NCBI Accession #	NP_766059.1
NCBI GenBank Nucleotide #	NM_172471.2
UniProt Accession #	Q8BJD1; Q3US68; Q80VG0
NCBI Official Full Name	inter-alpha-trypsin inhibitor heavy chain H5
NCBI Official Synonym Full Names	inter-alpha (globulin) inhibitor H5
NCBI Official Symbol	Itih5
NCBI Official Synonym Symbols	E130106B02; 4631408O11Rik; 5430408M01Rik
NCBI Protein Information	inter-alpha-trypsin inhibitor heavy chain H5; ITI-HC5; ITI heavy chain H5; inter-alpha-inhibitor heavy chain 5; inter-alpha trypsin inhibitor heavy chain precursor 5
UniProt Protein Name	Inter-alpha-trypsin inhibitor heavy chain H5
UniProt Gene Name	Itih5
UniProt Synonym Gene Names	ITI heavy chain H5; ITI-HC5
UniProt Entry Name	ITIH5_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.