

Inter Alpha-Globulin Inhibitor H4 (ITIH4) Recombinant Protein | ITIH4 recombinant protein

Recombinant Inter Alpha-Globulin Inhibitor H4 (ITIH4)

CATALOG # AAA134259	HOST E Coli	APPLICATIONS Immunoprecipitation, ELISA, Western Blot, SDS-Page
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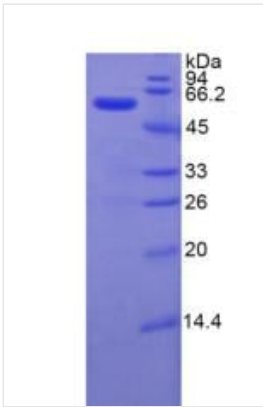
PRODUCT SYNONYMS

Inter Alpha-Globulin Inhibitor H4 (ITIH4); Recombinant Inter Alpha-Globulin Inhibitor H4 (ITIH4); ITIH4 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	> 95%
Form/Format	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Sequence	Thetargetp roteinisfu sedwithtwo N-terminal Tags,His-t agandGST-t ag,itssequ enceislist edbelow. MSPILGYW KIKGLVQPTR LLEYLEEKY EEHLIERDEG DKWRNKKFEL GLEFPNLPYY IDGDVKLTQS MAIRYIADK HNMLGGCPKE RAEISMLEGA VLDIRYGVSR IAYSKDFETL KVDFLSKLPE MLKMFEDRLC HKTYLNGDHV THPDFMLYDA LDVVLMDPM CLDAFPKLVC FKKRIEAIQ IDKYLKSSKY IAWPLQGWQA TFGGGDHPPK SDGSTSGSGH HHHHHSAGLV PRGSTAIGMK ETAAAKFERQ HMDSPDLGTL EVLFQGPLGS -TRYNFQHHF KGSEMVVAGK LRDQGPDVLL AKVSGQMHLQ NITFQTEASI AQQEKEFQGP KYIFHNFMER LWALLTIQQQ LEQRISASGA ELEALEAQVL NLSLKYNFVT PLTHMVVTKP EDQEQQVAE KPTEVDGGVW SILSAVQRHF KTPTTGSKLL TSRLRGNRFQ TLSRLGDGLV GSRQYMPPPG LPGPPGLPGP PGPPGHPHFA SSIDYGRQPS LGRVLDLPSL SSQDPAGPSL AMLPKV
Sequence Length	933
Applicable Applications for ITIH4 recombinant protein	IP (Immunoprecipitation), ELISA, WB (Western Blot), SDS-PAGE
Organism	Rattus norvegicus (Rat)
Expression System	Prokaryotic expression
Residues	Thr478~Val722 (Accession # Q5EBC0) with two N-terminal Tags, His-tag and GST-tag
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Predicted Isoelectric Point	6.7
Reconstitution	Reconstitute in sterile PBS, pH7.2-pH7.4.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Stability Test: The thermal stability is described by the loss rate of the targetprotein. 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 andprecipitation were observed. (Referring from China Biological Products Standard,which was calculated by the Arrhenius equation.) The loss of this protein is lessthan 5% within the expiration date under appropriate storage condition.

IMAGES



Sequence

TRY NQHHFKGSE MIVAGKLRDQ
GPDVLLAKVS GQMHQNITF QTEASIAQOE KEFGPKYIF HNFMERLWAL
LTIQQOLEQR ISASGALEA LEAQLNLSL KYNFVTLTH MVVTKPEDQE
QFQVAEKPTV VGGVWSILS AVQRHFKTPT TGSKLLTSRL RGNRFQTLNR
LGDGLVGRQ YMPPPGLPGP PGLPGPPGP GHPHFASSID YGRQPSLGRV
LDLPSLSSQD PAGPSLMLP KV

SDS-PAGE

NCBI AND UNIPROT INFORMATION

NCBI GI #	126722991
NCBI GeneID	54404
NCBI Accession #	NP_062242.2
NCBI GenBank Nucleotide #	NM_019369.2
UniProt Accession #	Q5EBC0
Molecular Weight	58.7kDa
NCBI Official Full Name	inter-alpha-inhibitor H4 heavy chain
NCBI Official Synonym Full Names	inter-alpha-trypsin inhibitor heavy chain family, member 4
NCBI Official Symbol	Itih4
NCBI Protein Information	inter-alpha-inhibitor H4 heavy chain; inter alpha-trypsin inhibitor, heavy chain 4
UniProt Protein Name	Inter alpha-trypsin inhibitor, heavy chain 4
UniProt Gene Name	Itih4
UniProt Entry Name	Q5EBC0_RAT

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.