

Datasheet for ABIN7555656

STAT5A Protein (AA 1-794) (His tag)



[Go to Product page](#)

Overview

Quantity:	1 mg
Target:	STAT5A
Protein Characteristics:	AA 1-794
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT5A protein is labelled with His tag.

Product Details

Purpose:	Custom-made recombinant STAT5A Protein expressed in mammalian cells.
Sequence:	<p>MAGWIAQQL QGDALRQMQV LYQHFPIEV RHYLAQWIES QPWDAIDLND PQDRAQATQL</p> <p>LEGLVQELQK KAEHQVGEDG FLLKIKLGHY ATQLQKTYDR CPLELVRCIR HILYNEQRLV</p> <p>REANNCSSPA GILVDAMSQK HLQINQTFEE LRLVTQDTEN ELKKLQQTQE YFIIQYQESL</p> <p>RIQAQFAQLA QLSPQERLSR ETALQQKQVS LEAWLQREAQ TLQQYRVELA EKHQKTLQLL</p> <p>RKQQTIILDD ELIQWKRRQQ LAGNGGPPEG SLDVLQSWCE KLAELIQQNR QQIRRAEHLG</p> <p>QQLPIGPVE EMLAEVNATI TDIISALVTS TFIIEKQPPQ VLKTQTKFAA TVRLLVGGKL</p> <p>NVHMNPPQVK ATIIEQQAK SLLKNENTRN ECSGEILNNC CVMEYHQATG TLAHFRNMS</p> <p>LKRIKRADRR GAESVTEEFK TVLFESQFSV GSNELVFQVK TSLPVVVIV HGSQDHNATA</p> <p>TVLWDNAFAE PGRVPFAVPD KVLWPQLCEA LNMKFKAQVQ SNRGLTKENL VFLAQKLFNN</p> <p>SSSHLEDYSG LSVWSQFNR ENLPGWNYTF WQWFDGVMEV LKKHHKPHWN DGAILGFVNK</p> <p>QQAHDLLINK PDGTFLLRFS DSEIGGITIA WKFDSPERNL WNLKPFTTRD FSIRSLADRL</p> <p>GDLSYLIYVF PDRPKDEVFS KYYTPVLAKA VDGYPKQIK QVVPEFVNAS ADAGGSSATY</p>

Product Details

MDQAPSPAVC PQAPYNMYPQ NPDHVLDQDG EFDLDETMDV ARHVEELLRR PMDSLDSRLS
PPAGLFTSAR GSLS **Sequence without tag. The proposed Purification-Tag is based on experiences with the expression system, a different complexity of the protein could make another tag necessary. In case you have a special request, please contact us.**

Specificity: If you are looking for a specific domain and are interested in a partial protein or a different isoform, please contact us regarding an individual offer.

Characteristics: **Key Benefits:**

- Made to order protein - from design to production - by highly experienced protein experts.
- Protein expressed in mammalian cells and purified in one-step affinity chromatography
- The optimized expression system ensures reliability for intracellular, secreted and transmembrane proteins.
- State-of-the-art algorithm used for plasmid design (Gene synthesis).

This protein is a made-to-order protein and will be made for the first time for your order. Our experts in the lab try to ensure that you receive soluble protein.

If you are not interested in a full length protein, please contact us for individual protein fragments.

The big advantage of ordering our made-to-order proteins in comparison to ordering custom made proteins from other companies is that there is no financial obligation in case the protein cannot be expressed or purified.

Purity: > 90 % as determined by Bis-Tris PAGE, anti-tag ELISA, Western Blot and analytical SEC (HPLC)

Grade: custom-made

Target Details

Target: STAT5A

Alternative Name: STAT5A ([STAT5A Products](#))

Background: Signal transducer and activator of transcription 5A,FUNCTION: Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Mediates cellular responses to ERBB4. May mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4. Binds to the GAS element and activates PRL-induced transcription. Regulates the expression of milk proteins during lactation. {ECO:0000269|PubMed:15534001}.

Target Details

Molecular Weight:	90.6 kDa
UniProt:	P42229
Pathways:	JAK-STAT Signaling , RTK Signaling , Response to Growth Hormone Stimulus , C21-Steroid Hormone Metabolic Process , Regulation of Leukocyte Mediated Immunity , Positive Regulation of Immune Effector Process , CXCR4-mediated Signaling Events , Activated T Cell Proliferation

Application Details

Application Notes:	We expect the protein to work for functional studies. As the protein has not been tested for functional studies yet we cannot offer a guarantee though.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Buffer:	The buffer composition is at the discretion of the manufacturer.
Handling Advice:	Avoid repeated freeze-thaw cycles.
Storage:	-80 °C
Storage Comment:	Store at -80°C.
Expiry Date:	12 months