

Datasheet for ABIN7563243
STAT5B Protein (AA 1-786) (His tag)



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Overview

Quantity:	1 mg
Target:	STAT5B
Protein Characteristics:	AA 1-786
Origin:	Mouse
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT5B protein is labelled with His tag.
Application:	Western Blotting (WB), SDS-PAGE (SDS)

Product Details

Purpose:	Custom-made recombinat Stat5b Protein expressed in mammalien cells.
Sequence:	MAMWIAQQL QGDALHMQMA LYGQHFPIEV RHYLSQWIES QAWDSIDLND PQENIKATQL LEGLVQELQK KAEHQVGEDG FLLKIKLGHY ATQLQSTYDR CPMELVRCIR HILYNEQRLV REANNSSPA GSLADAMSQK HLQINQTFEE LRLITQDTEN ELKKLQQTQE YFIIQYQESL RIQAQFAQLG QLNQERMSR ETALQKQVS LETWLQREAQ TLQYRVELA EKHQKTLQLL RKQQTIIIDD ELIQWKRRQQ LAGNGGPEEG SLDVLQSWCE KLAEIWQNR QQIRRAEHLK QQLPIGPVE EMLAEVNATI TDIISALVTS TFIIEKQPPQ VLKTQTKFAA TVRLLVGGKL NVHMNPPQVK ATIISEQAK SLLKNENTRN DYSGEILNNC CVMEYHQATG TLSAHFRNMS LKRIKSDRR GAESVTEEFK TILFDSQFSV GGNELVFQVK TSLPVVVIV HGSQDNNATA TVLWDNAFAE PGRVPFAVPD KVLWPQLCEA LNMKFKAQVQ SNRGLTKENL VFLAQKLFNI SSNHLEDYNS MSVSWSQFNR ENLPGRNYTF WQWFDGVMQV LKKHLKPHWN DGAILGFVNK QQAHDLLINK PDGTFLRRFS DSEIGGITIA WKFDSQERMF WNLMPFTTRD FSIRSLADRL

Product Details

GDLNYLIYVF PDRPKDEVYS KYYPVPCPEP ATAKAADGYV KPQIKQVVPE FANASTDAGS
GATYMDQAPS PVVCPQAHYN MYPPNPDSVL DTDGDFDLED TMDVARRVEE LLGRPMDSQW
IPHAQS **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.**

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, Western Blot

Grade:

custom-made

Target Details

Target:

STAT5B

Alternative Name:

Stat5b ([STAT5B Products](#))

Background:

Signal transducer and activator of transcription 5B,FUNCTION: Carries out a dual function: signal transduction and activation of transcription. Mediates cellular responses to the cytokine KITLG/SCF and other growth factors. Binds to the GAS element and activates PRL-induced transcription. Positively regulates hematopoietic/erythroid differentiation.
{ECO:0000269|PubMed:7568026}.

Molecular Weight:

90.0 kDa

UniProt:

[P42232](#)

Target Details

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: In addition to the applications listed above we expect the protein to work for functional studies as well. 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