

Product datasheet

Recombinant Human STAT5b protein ab182829

1 Image

Description

Product name Recombinant Human STAT5b protein

Purity > 95 % Densitometry.

Expression system Baculovirus infected Sf9 cells

Accession [P51692](#)

Protein length Full length protein

Animal free No

Nature Recombinant

Species Human

Sequence

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MAVWIIQAQQLQGEALHQMQUALYGQHFPIEVRHYLSQWIES
QAWDSVDLDN
PQENIKATQLLEGLVQELQKKAHQVGEDGFLLKIKLGHY
ATQLQNTYDR
CPMELVRCIRHILYNEQRLVREANNGSSPAGSLADAMSQK
HLQINQTFEE
LRLVTQDTENELKKLQQTQEYFIIQYQESLRFAQFGPLAQL
SPQERLSR
ETALQQKQVSLEAWLQREAQTLQQYRVELAEKHQKTLQL
LRKQQTIIIDD
ELIQWKRRQQLAGNGGPEGLDVLQSWCEKLAEIWQN
RQQIRRAEHL
C
QQLPVGPVEEMLAEVNATITDIISALVTSTFIIKQPPQVLKT
QTKFAA
TVRLLVGGKLVHVMNPPQVKATIIEQQAKSLLKNENTRN
DYSGEILNNC
CVMEYHQATGTLSAHFRNMSLKRIKRSDRRGAEVTEEK
FTILFESQFSV
GGNELVFQVKTSLPVVVIVHGSQDNNATATVLWDNAFA
EPGRVPFAVPD
KVLWPQLCEALNMKFKAEVQSNRGLTKENLVFLAQKLFN
NSSSHLEDYSG
LSVSWSQFNRENLPGRNYTFWQWFDGVMVLEKHLKPH
WNDGAILGFVNK
QQAHDLLINKPDGTFLRRFSDSEIGGIIAWKFDQSQERMFW

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NLMPFTTRD
FSIRSLADRLGDLNLYIVFPDRPKDEVYSKYTPVPCESA
TAKAVDGYV
KPQIKQVVPEFVNASADAGGGSATYMDQAPSPAVCPQA
HYNMYPQNPDSV
LDTDGDFDLEDTMDVARRVEELLGRPMDSQWIPHAQS

Predicted molecular weight	115 kDa including tags
Amino acids	1 to 787
Tags	GST tag N-Terminus

Specifications

Our [Abpromise guarantee](#) covers the use of **ab182829** in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Applications	SDS-PAGE Western blot
Form	Liquid

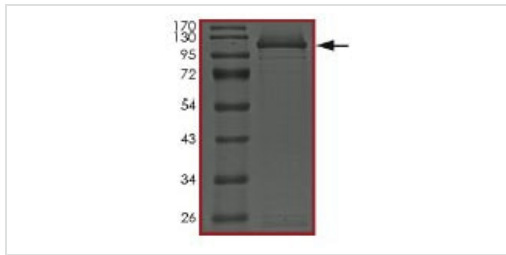
Preparation and Storage

Stability and Storage	Shipped on Dry Ice. Store at -80°C. Avoid freeze / thaw cycle. pH: 7.50 Constituents: 0.79% Tris HCl, 0.29% Sodium chloride, 0.31% Glutathione, 0.003% EDTA, 0.004% DTT, 0.002% PMSF, 25% Glycerol (glycerin, glycerine)
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General Info

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.
Involvement in disease	Growth hormone insensitivity with immunodeficiency
Sequence similarities	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
Post-translational modifications	Tyrosine phosphorylated in response to signaling via activated KIT, resulting in translocation to the nucleus. Tyrosine phosphorylated in response to signaling via activated FLT3; wild-type FLT3 results in much weaker phosphorylation than constitutively activated mutant FLT3. Alternatively, can be phosphorylated by JAK2. Phosphorylation at Tyr-699 by PTK6 or HCK leads to an increase of its transcriptional activity. Dephosphorylation on tyrosine residues by PTPN2 negatively regulates prolactin signaling pathway.
Cellular localization	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

Images



SDS-PAGE analysis of ab182829.

SDS-PAGE - Recombinant Human STAT5b protein
(ab182829)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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