abcam

Product datasheet

Recombinant Human STAT5b protein ab173069

描述

产品名称	重组人STAT5b蛋白
纯度	> 95 % SDS-PAGE. ab173069 is greater than 95% pure, as determined by SEC-HPLC and reducing SDS-PAGE. It is supplied as an 0.2 µM filtered solution.
内毒素水平	< 1.000 Eu/µg
表达系统	Escherichia coli
Accession	P51692
蛋白长度	Protein fragment
无动物成分	No
性质	Recombinant
种属	Human
序列	MAVWIQAQQLQGEALHQMQALYGQHFPIEVRHYLSQWIESQA WDSVDLDN PQENIKATQLLEGLVQELQKKAEHQVGEDGFLLKIKLGHYAT QLQNTYDR CPMELVRCIRHILYNEQRLVREANNGSSPAGSLADAMSQKHL QINQTFEE LRLVTQDTENELKKLQQTQEYFIIQYQESLRIQAQFGPLAQL SPQERLSR ETALQQKQVSLEAWLQREAQTLQQYRVELAEKHQKTLQLLRK QQTIILDD ELIQWKRRQQLAGNGGPPEGSLDVLQSWCEKLAEIIWQNRQQ IRRAEHLC QQLPIPGPVEEMLAEVNATITLEHH HHHH
预测分子量	38 kDa including tags
氨基酸	1 to 321
标签	His tag C-Terminus

技术指标

Our **Abpromise guarantee** covers the use of **ab173069** in the following tested applications.

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

应用	HPLC
	SDS-PAGE

形式	Liquid

制备和贮存

稳定性和存储	Shipped on Dry Ice. Store at -20°C long term. Avoid freeze / thaw cycle. pH: 7.40 Constituents: 0.02% DTT, 50% Glycerol (glycerin, glycerine), 49% PBS Supplied as an 0.2 µM filtered solution.

常规信息

功能	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.
疾病相关	Growth hormone insensitivity with immunodeficiency
序列相似性	Belongs to the transcription factor STAT family. Contains 1 SH2 domain.
翻译后修饰	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.
细胞定位	Cytoplasm. Nucleus. Translocated into the nucleus in response to phosphorylation.

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