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Datasheet for ABIN2732817

STAT5A Protein (Myc-DYKDDDDK Tag)

1 Image

Overview

Quantity:	20 µg
Target:	STAT5A
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT5A protein is labelled with Myc-DYKDDDDK Tag.
Application:	Antibody Production (AbP), Standard (STD)

Product Details

- Characteristics:
- Recombinant human STAT5 / STAT5A protein expressed in HEK293 cells.
 - Produced with end-sequenced ORF clone

Purity: > 80 % as determined by SDS-PAGE and Coomassie blue staining

Target Details

Target: STAT5A

Alternative Name: Stat5,stat5a ([STAT5A Products](#))

Background: The protein encoded by this gene is a member of the STAT family of transcription factors. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated by, and mediates the responses of many cell ligands, such as IL2, IL3, IL7 GM-CSF, erythropoietin,

Target Details

thrombopoietin, and different growth hormones. Activation of this protein in myeloma and lymphoma associated with a TEL/JAK2 gene fusion is independent of cell stimulus and has been shown to be essential for tumorigenesis. The mouse counterpart of this gene is found to induce the expression of BCL2L1/BCL-X(L), which suggests the antiapoptotic function of this gene in cells. Alternatively spliced transcript variants have been found for this gene.

Molecular Weight: 90.5 kDa

NCBI Accession: [NP_003143](#)

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: Recombinant human proteins can be used for:
Native antigens for optimized antibody production
Positive controls in ELISA and other antibody assays

Comment: The tag is located at the C-terminal.

Restrictions: For Research Use only

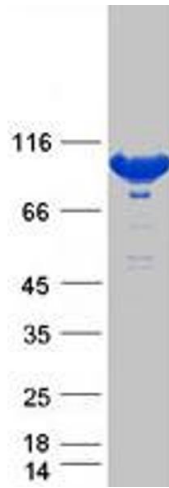
Handling

Concentration: 50 µg/mL

Buffer: 25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10 % glycerol.

Storage: -80 °C

Storage Comment: Store at -80°C. Thaw on ice, aliquot to individual single-use tubes, and then re-freeze immediately. Only 2-3 freeze thaw cycles are recommended.



Western Blotting

Image 1. Validation with Western Blot