

Product datasheet

Recombinant Human STAT2 protein ab43617

1 Image

Description

Product name	Recombinant Human STAT2 protein
Purity	> 90 % SDS-PAGE. The purity was determined to be >90% by densitometry
Expression system	Baculovirus infected Sf9 cells
Protein length	Full length protein
Animal free	No
Nature	Recombinant
Species	Human

Specifications

Our [Abpromise guarantee](#) covers the use of **ab43617** in the following tested applications.

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

Applications	Western blot
Form	Liquid
Additional notes	Recombinant full-length human STAT2 was expressed by baculovirus in Sf9 insect cells using an N-terminal GST tag.

Preparation and Storage

Stability and Storage	Shipped on dry ice. Upon delivery aliquot and store at -80°C. Avoid freeze / thaw cycles. pH: 7.50 Constituents: 0.87% Sodium chloride, 25% Glycerol (glycerin, glycerine), 0.79% Tris HCl, 0.00385% DTT, 0.00174% PMSF
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General Info

Function	Signal transducer and activator of transcription that mediates signaling by type I IFNs (IFN-alpha and IFN-beta). Following type I IFN binding to cell surface receptors, Jak kinases (TYK2 and JAK1) are activated, leading to tyrosine phosphorylation of STAT1 and STAT2. The phosphorylated STATs dimerize, associate with ISGF3G/IRF-9 to form a complex termed ISGF3
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transcription factor, that enters the nucleus. ISGF3 binds to the IFN stimulated response element (ISRE) to activate the transcription of interferon stimulated genes, which drive the cell in an antiviral state.

Sequence similarities

Belongs to the transcription factor STAT family.
Contains 1 SH2 domain.

Post-translational modifications

Tyrosine phosphorylated in response to IFN-alpha.

Cellular localization

Cytoplasm. Nucleus. Translocated into the nucleus upon activation by IFN-alpha/beta.

Images



Demonstration of purity (>90% by densitometry) using western blot.

Western blot - Recombinant Human STAT2 protein (ab43617)

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

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