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Datasheet for ABIN7319463 STAT6 Protein (His tag)



Overview

Quantity:	50 µg
Target:	STAT6
Origin:	Human
Source:	Escherichia coli (E. coli)
Protein Type:	Recombinant
Purification tag / Conjugate:	This STAT6 protein is labelled with His tag.

Product Details

Purpose:	Recombinant Human STAT6 Protein (E.coli, His Tag)
Sequence:	Ser627-Ser837
Characteristics:	Recombinant Human STAT6 is produced by our E.coli expression system and the target gene encoding Ser627-Ser837 is expressed with a 6His tag at the C-terminus.
Purity:	> 95 % as determined by reducing SDS-PAGE.
Endotoxin Level:	< 1.0 EU per µg as determined by the LAL method.

Target Details

Target:	STAT6
Alternative Name:	STAT6 (STAT6 Products)
Background:	Background: Signal Transducer and Activator of Transcription 6 (STAT6) is a member of the STAT family of transcription factors. At least seven STATs exist: STAT1, 2, 3, 4, 5a, 5b, and 6.
	They are responsible for an array of cellular activities including regulating growth, survival,

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	differentiation, motility, and the immune response. STAT6 plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. STAT6 has been shown to interact with EP300, CREB- binding protein, NFKB1, Nuclear receptor coactivator 1, IRF4 and SND1. Synonym: Signal Transducer and Activator of Transcription 6, IL-4 Stat, STAT6,IL-4- STAT,STAT6B,STAT6C
Molecular Weight:	23.9 kDa
UniProt:	P42226
Pathways:	JAK-STAT Signaling, Regulation of Leukocyte Mediated Immunity, Positive Regulation of Immune Effector Process, Production of Molecular Mediator of Immune Response
Application Details	
Restrictions:	For Research Use only
Handling	
Format:	Lyophilized
Reconstitution:	Please refer to the printed manual for detailed information.
Buffer:	Lyophilized from a 0.2 μm filtered solution of 20 mM PB,150 mM NaCl, pH 7.4.
Storage:	4 °C,-20 °C,-80 °C
Storage Comment:	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80°C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.