

A Reliable Research Partner in Life Science and Medicine

Recombinant Human STAT6 Protein (E.coli, His Tag)

Catalog No. PKSH033528

Note: Centrifuge before opening to ensure complete recovery of vial contents.

Description

Synonyms Signal Transducer and Activator of Transcription 6;IL-4

Stat;STAT6;IL-4-STAT;STAT6B;STAT6C

Species Human
Expression Host E.coli

Sequence Ser627-Ser837

AccessionP42226Calculated Molecular Weight23.9 kDaObserved molecular weight30 kDaTagC-His

Bioactivity Not validated for activity

Properties

Purity > 85 % as determined by reducing SDS-PAGE.

Endotoxin < 1.0 EU per μg of the protein as determined by the LAL method.

Storage 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.

Shipping This product is provided as lyophilized powder which is shipped with ice packs.

Formulation Lyophilized from a 0.2 µm filtered solution of PBS, pH 7.4.

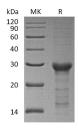
Normally 5 % - 8 % trehalose, mannitol and 0.01% Tween80 are added as

protectants before lyophilization.

Please refer to the specific buffer information in the printed manual.

Reconstitution Please refer to the printed manual for detailed information.

Data



> 85 % as determined by reducing SDS-PAGE.

Background

Signal Transducer and Activator of Transcription 6 (STAT6) is a member of the STAT family of transcription factors. At

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017

Web: www.elabscience.com

Email: techsupport@elabscience.com

Elabscience Bionovation Inc.



A Reliable Research Partner in Life Science and Medicine

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, 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.

For Research Use Only

Toll-free: 1-888-852-8623 Tel: 1-832-243-6086 Fax: 1-832-243-6017 Email: techsupport@elabscience.com

Web: www.elabscience.com