

Recombinant Human STAT1 Protein

Catalog Number:PKSH033321



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

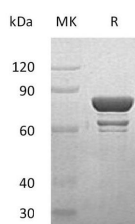
Description

Synonyms	Signal Transducer and Activator of Transcription 1-Alpha/Beta;Transcription Factor ISGF-3 Components p91/p84;STAT1;CANDF7;IMD31A;IMD31B;IMD31C;ISGF-3;STAT91
Species	Human
Expression Host	E.coli
Sequence	Met 1-Val712
Accession	P42224
Calculated Molecular Weight	83.3 kDa
Observed molecular weight	85 kDa
Tag	None

Properties

Purity	> 68 % 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 20mM PB, 0.02% Tween 80, 5% Sucrose, 4% Mannitol, pH 7.4. Normally 5 % - 8 % trehalose, mannitol and 0.01 % Tween80 are added as protectants before lyophilization. Please refer to the specific buffer i
Reconstitution	Please refer to the printed manual for detailed information.

Data



> 68 % as determined by reducing SDS-PAGE.

Background

Signal Transducer and Activator of Transcription 1-Alpha/Beta (STAT1) contains one SH2 domain and belongs to the transcription factor STAT family. When tyrosine- and serine-phosphorylated; STAT1 can form a homodimer termed IFN-gamma-activated factor (GAF); migrate into the nucleus and bind to the IFN gamma activated sequence (GAS) to drive the expression of the target genes; inducing a cellular antiviral state. STAT1 functions as signal transducer and transcription activator that mediates cellular responses to interferons. Defects in STAT1 are the cause of STAT1

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deficiency complete and familial candidiasis type 7.

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