

Product Name: Recombinant Human STAT3 (C-6His)
Catalog #: PEH1568

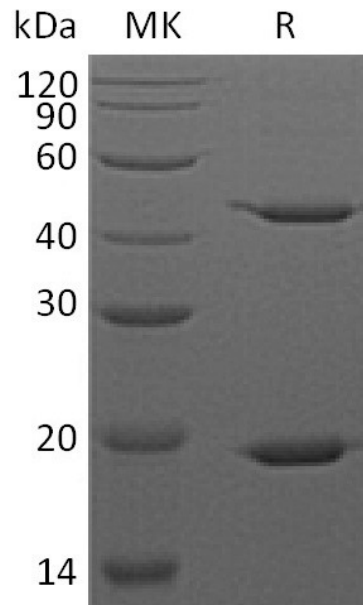


Summary

Name	STAT3
Purity	Greater than 95% as determined by reducing SDS-PAGE
Endotoxin level	<1 EU/μg as determined by LAL test.
Construction	Recombinant Human Signal Transducer And Activator of Transcription 3 is produced by our E.coli expression system and the target gene encoding Met1-Asn175 is expressed with a 6His tag at the C-terminus.
Accession #	P40763
Host	E.coli
Species	Human
Predicted Molecular Mass	21.8 KDa
Formulation	Lyophilized from a 0.2 μm filtered solution of 20mM Tris-HCl, 10% Trehalose, 50mM NaCl, 0.05% Tween 80, pH 8.0.
Shipping	The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below.
Stability&Storage	Lyophilized protein should be stored at ≤ -20°C, stable for one year after receipt. Reconstituted protein solution can be stored at 2-8°C for 2-7 days. Aliquots of reconstituted samples are stable at ≤ -20°C for 3 months.
Reconstitution	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100μg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

SDS-PAGE image

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Alternative Names

Signal Transducer and Activator of Transcription 3; Acute-Phase Response Factor; STAT3; APRF

Background

Signal Transducer and Activator of Transcription 3 (STAT3) belongs to the transcription factor STAT family. STAT3 contains one SH2 domain and is a transcription factor expressed in most cell types. STAT3 is activated by multiple cytokines and growth factors including: IFN- α , IL-10, IL-6, IL-11, IL-12, IL-2, EGF etc. STAT3 functions as signal transducer and transcription activator that mediates cellular responses to interleukins, KITLG/SCF and other growth factors. In addition, STAT3 may also mediate cellular responses to activated FGFR1, FGFR2, FGFR3 and FGFR4.

Note

For Research Use Only , Not for Diagnostic Use.