



Recombinant Human Signal Transducer and Activator of Transcription 3/STAT3 Protein(C-6His)

Cat.NO.: TP06180

3th Edition

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

Description: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.

Form:PBS

Molecular Weight:21.8 kDa

Sequences:Met 1-Asn175

Purity:> 95% by HPLC

Concentration:

Endotoxin Level:<1.0 EU per 1 μ g of protein (determined by LAL method)

Storage:Can be stored at +4°C short term (1-2 weeks). For long term storage, aliquot and store at -20°C or -70°C. Avoid repeated freezing and thawing cycles.