

## 32-8147: Recombinant Human Signal Transducer and Activator of Transcription 3/STAT3 (C-6His)

**Gene :** STAT3  
**Gene ID :** 6774  
**Uniprot ID :** P40763

### Description

Source: E. coli.

MW :21.8kD.

Recombinant Human STAT3 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. 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- $\alpha$ , 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.

### Product Info

**Amount :** 10  $\mu$ g / 50  $\mu$ g  
**Content :** Lyophilized from a 0.2  $\mu$ m filtered solution of 20mM PB,150mM NaCl,pH7.4.  
**Storage condition :** Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 4-7°C for 2-7 days. Aliquots of reconstituted samples are stable at -20°C for 3 months.  
**Amino Acid :** MAQWNQLQLDTRYLEQLHQLYSDSFPMELRQFLAPWIESQDWAYAASKESHATLVFHNLLGEIDQQYSRFL QESNVLYQHNLRRRIKQFLQSRYLEKPMIARIVARCLWEESRLLQTAATAAQGGQANHPPTAAVVTEKQQMLE QHLQDVRKRVQDLEQKMKVVENLQDDDFNLEHHHHHHH

### Application Note

Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100  $\mu$ g/ml. Dissolve the lyophilized protein in ddH<sub>2</sub>O. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

**Endotoxin :** Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) as determined by LAL test.