

STAT3 抗原（重组蛋白）

中文名称：STAT3 抗原（重组蛋白）

英文名称：STAT3 Antigen (Recombinant Protein)

储 存： 冷冻（-20℃）

相关类别： 抗原

概述

Fusion protein corresponding to a region derived from 421-768 amino acids of human STAT3

技术规格

Full name:	signal transducer and activator of transcription 3
Synonyms:	APRF; HIES; ADMIO; ADMIO1
Swissprot:	P40763
Gene Accession:	BC014482
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The Stat3 transcription factor is an important signaling molecule for many cytokines and growth factor receptors and is required for murine fetal development. Research studies have shown that Stat3 is constitutively activated in a number of human tumors and possesses oncogenic potential and anti-apoptotic activities. Stat3 is activated by phosphorylation at Tyr705, which induces dimerization, nuclear translocation, and DNA binding. Transcriptional activation seems to be regulated by phosphorylation at Ser727 through the MAPK or mTOR pathways. Stat3 isoform expression appears to reflect biological function as the relative expression levels of Stat3 α (86 kDa) and Stat3 β (79 kDa) could vary on cell type, ligand exposure, or cell maturation stage. It is notable that Stat3 β lacks the serine phosphorylation site within the carboxy-terminal transcriptional activation domain.

