

Recombinant Human STAT3 Protein

RPCB0551

Protein Information

Size:	10 µg , 50 µg	Tag:	C-His
Reactivity:	Human	Expressed Host:	E. coli
Calculated MW:	21.8 kDa	Observed MW:	19, 46 kDa

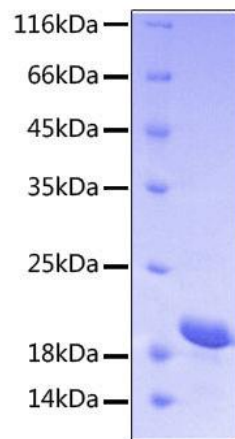
Background

This protein is a member of the STAT protein family. In response to cytokines and growth factors, STAT family members are phosphorylated by the receptor associated kinases, and then form homo- or heterodimers that translocate to the cell nucleus where they act as transcription activators. This protein is activated through phosphorylation in response to various cytokines and growth factors including IFNs, EGF, IL5, IL6, HGF, LIF and BMP2. This protein mediates the expression of a variety of genes in response to cell stimuli, and thus plays a key role in many cellular processes such as cell growth and apoptosis. The small GTPase Rac1 has been shown to bind and regulate the activity of this protein. PIAS3 protein is a specific inhibitor of this protein. Mutations in this gene are associated with infantile-onset multisystem autoimmune disease and hyper-immunoglobulin E syndrome. Alternative splicing results in multiple transcript variants encoding distinct isoforms.

Properties

Synonyms:	ADMIO, ADMIO1, APRF, HIES, STAT3, Stat3 , HIES, ADMIO, ADMIO1
Gene ID:	6774
Endotoxin:	< 1 EU/µg of the protein by LAL method.
Description:	High quality, high purity and low endotoxin recombinant Recombinant Human STAT3 Protein (RPCB0551), tested reactivity in E. coli and has been validated in SDS-PAGE. 100% guaranteed.
Purity:	≥ 95 % as determined by SDS-PAGE.
Storage:	Store at -20°C. Store the lyophilized protein at -20°C to -80 °C up to 1 year from the date of receipt. After reconstitution, the protein solution is stable at -20°C for 3 months, at 2-8°C for up to 1 week.

Validation Data



Recombinant Human STAT3 Protein was determined by SDS-PAGE under reducing conditions with Coomassie Blue.