Recombinant Human STAT6 Protein (Trx Tag)

RPES8135

Product Information

Product SKU:	RPES8135	**Expression Host**:	E.coli	**Size**:	20µg
Tag:	N-Trx	**Reactivity**:	Human	**Accession**:	P42226-1

Additional Information

Calculated MW:	52.8 kDa	**Observed MW:**	52 kDa
Sequence:	Iie341-Gly640		

Protein Information

Background: Signal transducer and activator of transcription 6 (STAT6) is a transcription factor that is activated by interleukin-4 (IL-4)-induced tyrosine phosphorylation and mediates most of the IL-4-induced gene expression. STAT6 plays a central role in exerting interleukin-4 (IL-4) mediated biological responses and is found to induce the expression of BCL2L1/BCL-XL, which is responsible for the anti-apoptotic activity of IL4. Transcriptional activation by STAT6 requires the interaction with coactivators like p300 and the CREB-binding protein (CBP). NF-κB and tyrosine-phosphorylated Stat6 can directly bind each other in vitro and in vivo, which sµggests that the direct interaction between Stat6 and NF-κB may provide a basis for synergistic activation of transcription by IL-4 and activators of NF-κB.

Synonyms: -

Endotoxin: < 10 EU/mg of the protein as determined by the LAL method

Formulation: Lyophilized from a 0.2 µm filtered solution in PBS with 5% Trehalose and 5% Mannitol.

Purity: > 90% as determined by reducing SDS-PAGE.

Bio-Activity: Not validated for activity

Storage: Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80℃. Reconstituted protein solution can be stored at 4-8℃ for 2-7 days. Aliquots of reconstituted samples are stable at < -20℃ for 3 months.

Contact Details | Dublin, Ireland
Email: techsupport@assaygenie.com | **Web:** www.assaygenie.com