

Active Recombinant Human STAT3 protein, His-tagged

Cat. No. STAT3-0679H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human STAT3 protein(Gly127-Arg688), fused with His tag, was expressed in E.coli .
Species	Human
Source	E.coli
ProteinLength	127-688 a.a.
Form	Lyophilized from 0.22 µm filtered solution in 50 mM Tris, 150 mM NaCl, 1 mM DTT, pH7.5 with trehalose as protectant.
Bio-activity	Loaded Human STAT3, His Tag on NTA Biosensor, can bind STAT3 degrader with an affinity constant of 29.4 nM as determined in BLI assay (ForteBio Octet Red96e).
Molecular Mass	This protein carries a polyhistidine tag at the N-terminusThe protein has a calculated MW of 66.4 kDa. The protein migrates as 66-70 kDa under reducing (R) condition (SDS-PAGE).
Proteinlength	Gly127-Arg688
Endotoxin	Less than 1.0 EU per µg by the LAL method.
Purity	>95% as determined by SDS-PAGE.

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Storage Store at -20°C/-80°C upon receipt, aliquoting is necessary for mutiple use. Avoid repeated freeze-thaw cycles.

Reconstitution It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 ug/ul. Centrifuge the vial at 4°C before opening to recover the entire contents.

GENE INFORMATION

Gene Name STAT3 signal transducer and activator of transcription 3 (acute-phase response factor) [Homo sapiens]

Official Symbol STAT3

Synonyms STAT3; signal transducer and activator of transcription 3 (acute-phase response factor); signal transducer and activator of transcription 3; APRF; DNA-binding protein APRF; acute-phase response factor; HIES; FLJ20882; MGC16063;

Gene ID 6774

mRNA Refseq NM_003150

Protein Refseq NP_003141

MIM 102582

UniProt ID P40763

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