

Recombinant Human STAT3 protein, His-tagged

Cat. No. STAT3-30H Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Human STAT3, transcript variant 2, fused with His tag at C-terminal was expressed in E. coli.
Species	Human
Source	E.coli
Form	Lyophilized from a 0.2 M filtered solution of PBS, pH 7.4
Molecular Mass	21.8kD
AA Sequence	MAQWNQLQQLDTRYLEQLHQLYSDSFPMELRQFLAPWIESQDWAYAASKESHATL VFHNLLGEIDQQYSRFLQESNVLYQHNLRRIKQFLQSRYLEKPMIARIVARCLWEES RLLQTAATAAQGGQANHPTAAVVTEKQQMLEQHLQDVRKRVQDLEQKMKVVENL QDDDFDNLEHHHHHH
Endotoxin	Endotoxin level is <0.1 ng/g of protein (<1EU/g).
Purity	>95% as determined by SDS-PAGE and Coomassie blue staining
Concentration	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 g/ml. Dissolve the lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

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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
Chromosome Location	17q21
Pathway	Acute myeloid leukemia, organism-specific biosystem; Acute myeloid leukemia, conserved biosystem; Adipocytokine signaling pathway, organism-specific biosystem; Adipocytokine signaling pathway, conserved biosystem; Adipogenesis, organism-specific biosystem; Androgen Receptor Signaling Pathway, organism-specific biosystem; B Cell Receptor Signaling Pathway, organism-specific biosystem;
Function	CCR5 chemokine receptor binding; DNA binding; calcium ion binding; glucocorticoid

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receptor binding; ligand-activated sequence-specific DNA binding RNA polymerase II transcription factor activity; non-membrane spanning protein tyrosine kinase activity; protein binding; protein dimerization activity; protein kinase binding; sequence-specific DNA binding; sequence-specific DNA binding transcription factor activity; signal transducer activity; transcription factor binding; transcription regulatory region DNA binding;

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