

Recombinant Mouse Stat3 protein, His-tagged

Cat. No. Stat3-8593M Lot. No. (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Stat3(Thr346~Glu552) fused with His tag at N-terminal was expressed in E. coli.
Species	Mouse
Source	E.coli
ProteinLength	Thr346~Glu552
Form	Supplied as lyophilized form in PBS,pH7.4, containing 5% sucrose, 0.01% sarcosyl.
Molecular Mass	24.8kDa
AA Sequence	MGHHHHHHSG SEF- TTKVR LLVKFPELNY QLKIKVCIDK DSGDVAALRG SRKFNILGTN TKVMNMEESN NGSLSAEFKH LTLREQRCGN GGRANCDASL IVTEELHLIT FETEVYHQGL KIDLETHSLP VVVISNICQM PNAWASILWY NMLTNNPKNV NFFTKPIGT WDQVAEVLWS QFSSTTKRGL SIEQLTTLAE KLLGPGVNYS GCQITWAKFC KE
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Purity	> 95%
Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months.

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Reconstitution Reconstitute in sterile PBS, pH7.2-pH7.4.

GENE INFORMATION

Gene Name Stat3 signal transducer and activator of transcription 3 [Mus musculus]

Official Symbol Stat3

Synonyms STAT3; signal transducer and activator of transcription 3; acute phase response factor; acute-phase response factor; Aprf; AW109958; 1110034C02Rik;

Gene ID 20848

mRNA Refseq NM_011486

Protein Refseq NP_035616

MIM

UniProt ID Q6GU23

Chromosome Location 11 D; 11 63.82 cM

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; DNA binding; calcium ion binding; glucocorticoid receptor binding; ligand-activated sequence-specific DNA binding RNA

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polymerase II transcription factor activity; protein binding; protein dimerization activity; protein kinase binding; sequence-specific DNA 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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