Recombinant Mouse Stat4 Protein, Myc/DDK-tagged

Cat. No. Stat4-6171M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Purified recombinant protein of mouse full-length signal transducer and activator of transcription 4 (Stat4), with C-terminal MYC/DDK tag, expressed in HEK293T cells.
Species	Mouse
Source	HEK293
Description	The protein encoded by this gene is a member of the STAT family of transcription factors. 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. Homozygous knockout mice for this gene exhibit reduced inflammation and cytokine production in response to immune challenge. Alternative splicing results in multiple transcript variants.
Molecular Mass	85.8 kDa
Purity	> 80% as determined by SDS-PAGE and Coomassie blue staining
Stability	Stable for 12 months from the date of receipt of the product under proper storage and handling conditions. Avoid repeated freeze-thaw cycles.
Storage	Store at -80 centigrade after receiving vials.
Concentration	>50 μg/mL as determined by microplate BCA method

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Storage Buffer	25 mM Tris.HCl, pH 7.3, 100 mM glycine, 10% glycerol.

GENE INFORMATION

Gene Name	Stat4 signal transducer and activator of transcription 4 [Mus musculus (house mouse)]
Official Symbol	Stat4
Synonyms	STAT4; signal transducer and activator of transcription 4
Gene ID	20849
mRNA Refseq	NM_011487
Protein Refseq	NP_035617
UniProt ID	P42228

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