

STAT5 recombinant protein

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CATALOG # AAA14248	HOST Sf9 insect cells
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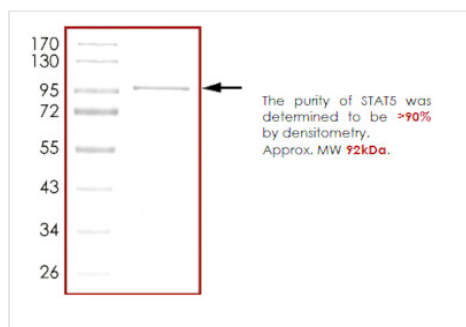
PRODUCT SYNONYMS

STAT5; STAT5 recombinant protein; MGF; STAT5A

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells
Purity/Purification	>90%
Form/Format	Recombinant protein stored in 50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 2mM DTT, 25% glycerol.
Concentration	0.05 µg/µl (varies by lot)
Sequence Length	4314
Dry Ice Note	The product may be shipped with dry ice, and an additional fee may be added to your shipping cost.
Preparation and Storage	Ships on dry ice. Store at -70°C. For optimal storage, aliquot target into smaller quantities after centrifugation and store at recommended temperature. For most favorable performance, avoid repeated handling and multiple freeze/thaw cycles.

IMAGES



SDS-PAGE

The purity of STAT5 was determined to be >90% by densitometry. Approx. MW 92kDa.

ADDITIONAL INFORMATION

Related Product Information for STAT5 recombinant protein

Recombinant full-length human STAT5 was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag.

Scientific Background: STAT5 (signal transducers and activators of transcription 5) is a member of the STAT family and this protein is phosphorylated by receptor associated protein kinases in response to cytokines and growth factors (1). The differentiation of T helper (Th) cells is regulated by members of the STAT family of signaling molecules. In BCR-ABL-positive cells, STAT5 is constitutively activated by tyrosine phosphorylation. STAT5 activation results in upregulation of Bcl-XL and increased resistance to induction of apoptosis. STAT5 is involved in expression and growth hormone-mediated sexually dimorphic regulation of cytochrome P450 3A10/lithocholic acid 6 beta-hydroxylase (2).

Product Categories/Family for STAT5 recombinant protein	Transcription Proteins; Signaling Proteins - Transcription Proteins
References	1. Wang, D. et al: Naturally occurring dominant negative variants of Stat5. Molec. Cell Biol. 16: 6141-6148, 1996. 2. A Subramanian et al: STAT 5 and NF-Y are involved in expression and growth hormone-mediated sexually dimorphic regulation of cytochrome P450 3A10/lithocholic acid 6beta-hydroxylase. Nucleic Acids Res. 1998; 26(9): 2173 -2178.

NCBI AND UNIPROT INFORMATION

NCBI GI #	221316717
NCBI GeneID	6776
NCBI Accession #	NM_0031512
NCBI GenBank Nucleotide #	NM_003152
UniProt Accession #	P42229; Q1KLZ6
NCBI Official Full Name	Homo sapiens signal transducer and activator of transcription 5A (STAT5A), mRNA
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5A
NCBI Official Symbol	STAT5A
NCBI Official Synonym Symbols	MGF; STAT5
NCBI Protein Information	signal transducer and activator of transcription 5A
UniProt Protein Name	Signal transducer and activator of transcription 5A
UniProt Gene Name	STAT5A
UniProt Synonym Gene Names	STAT5
UniProt Entry Name	STA5A_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.