

STAT5B recombinant protein

STAT5B Protein

CATALOG # AAA73148	HOST Sf9 insect cells using baculovirus	APPLICATIONS SDS-Page
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PRODUCT SYNONYMS

STAT5B; STAT5B Protein; STAT5B recombinant protein

PRODUCT SPECIFICATIONS

Host	Sf9 insect cells using baculovirus
Purity/Purification	>90%
Form/Format	50mM sodium phosphate, pH 7.0, 300mM NaCl, 150mM imidazole, 0.1mM PMSF, 0.25mM DTT, 25% glycerol.
Concentration	0.2ug/ul (varies by lot)
Sequence Length	5167
Applicable Applications for STAT5B recombinant protein	SDS-PAGE
Tag	N terminal HIS tag
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 product 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



Application Data

The purity of STAT5B protein was determined to be >90% by densitometry. Apporx. MW 95kDa.

ADDITIONAL INFORMATION

Related Product Information for STAT5B recombinant protein	Description: Recombinant full-length human STAT5B was expressed by baculovirus in Sf9 insect cells using an N-terminal His tag. Scientific Background: STAT5B or signal transducer and activator of transcription 5B is a member of the STAT family of transcription factors. STATs 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. STAT5B is activated in response to a variety of cytokines (1). The JAK/STAT pathway mediates a key signal from the somatic gonad that regulates male germline sexual development (2). STAT5B is critical for maintenance of tolerance in vivo and it is proposed that STAT5B is probably activated by IL2R.
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Product Categories/Family for STAT5B recombinant protein	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. Wawersik, M.et.al: Somatic control of germline sexual development is mediated by the JAK/STAT pathway. (Letter) Nature 436: 563-567, 2005.

NCBI AND UNIPROT INFORMATION

NCBI GI #	40807019
NCBI GeneID	6777
Molecular Weight	Approximately 95 kDa
NCBI Official Full Name	Homo sapiens signal transducer and activator of transcription 5B, mRNA
NCBI Official Synonym Full Names	signal transducer and activator of transcription 5B
NCBI Official Symbol	STAT5B
NCBI Official Synonym Symbols	STAT5
NCBI Protein Information	signal transducer and activator of transcription 5B
UniProt Protein Name	Signal transducer and activator of transcription 5B
UniProt Gene Name	STAT5B

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.

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 Online datasheet: <https://stage.aaabiotech.com/stat5b-recombinant-protein-sf9-insect-cells-using-baculovirus-sds-page/73148>