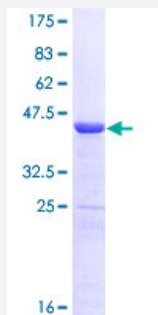


STAT6 (Human) Recombinant Protein (Q01)

Catalog # H00006778-Q01

Size 10 ug, 25 ug

Applications



Specification

Product Description	Human STAT6 partial ORF (NP_003144, 694 a.a. - 801 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	PPSHSIPPYQGLSPEESVNVLSAFQEPHLQMPPSLGQMSLPFDQPHPQGLLPCQPQEHAVSS PDPLLCSDVTMVEDSCLSQPVTAFPQGTWIGEDIFPPLLPPTEQD
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.51
Preparation Method	in vitro wheat germ expression system
Purification	Glutathione Sepharose 4 Fast Flow
Quality Control Testing	12.5% SDS-PAGE Stained with Coomassie Blue.
Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — STAT6

Entrez GeneID [6778](#)

GeneBank Accession# [BC004973](#)

Protein Accession# [NP_003144](#)

Gene Name STAT6

Gene Alias D12S1644, IL-4-STAT, STAT6B, STAT6C

Gene Description signal transducer and activator of transcription 6, interleukin-4 induced

Omim ID [601512](#)

Gene Ontology [Hyperlink](#)

Gene Summary 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. This protein plays a central role in exerting IL4 mediated biological responses. It is found to induce the expression of BCL2L1/BCL-X(L), which is responsible for the anti-apoptotic activity of IL4. Knockout studies in mice suggested the roles of this gene in differentiation of T helper 2 (Th2) cells, expression of cell surface markers, and class switch of immunoglobulins. [provided by RefSeq]

Other Designations STAT, interleukin4-induced|signal transducer and activator of transcription 6|transcription factor IL-4 STAT

Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Anaphylaxis](#)
- [Arthritis](#)
- [Ascariasis](#)
- [Asthma](#)
- [Birth Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bronchial Hyperreactivity](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Confusion](#)
- [Crohn Disease](#)
- [Dermatitis](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Drug Hypersensitivity](#)
- [Edema](#)
- [Endometriosis](#)
- [Food Hypersensitivity](#)
- [Genetic Predisposition to Disease](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Graves Disease](#)
- [Hypersensitivity](#)

- [Infant](#)
- [Infertility](#)
- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Liver Diseases](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Nausea](#)
- [Neoplasms](#)
- [Nephrosis](#)
- [Nephrotic Syndrome](#)
- [Nut Hypersensitivity](#)
- [Pain](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Respiratory Syncytial Virus Infections](#)