

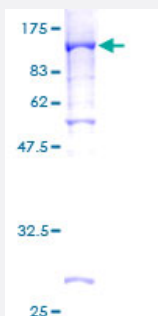
Full-Length

STAT4 (Human) Recombinant Protein (P01)

Catalog # H00006775-P01

Size 10 ug, 25 ug

Applications



Specification

Product Description

Human STAT4 full-length ORF (AAH31212, 1 a.a. - 748 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSQWNQVQQLEIKFLEQVDQFYDDNFPMEIRHLLAQWIENQDWEAASNNETMATILLQNLLIQLDE
QLGRVSKEKNLLLIHNLKRIRKVLQGKFHGNPMHVAVVISNCLREERRILAAANMPVQGPLEKSLQ
SSSVSERQRNVEHKVAAIKNSVQMTEQDTKYLEDLQDEFDYRYKTIQTMDQSDKNSAMVNQEV
TLQEMLNSLDFKRKEALSKMTQIIHETDLLMNTMLIEELQDWKRRQQIACIGGPLHNGLDQLQNCFT
LLAESLFQLRRQLEKLEEQSTKMTYEGDPIPMQRTHMLERVTFLLMNLFKNSFVVERQPCMPHPQ
RPLVLKTLIQFTVKLRLLIKLPELNYQVKVKASIDKNVSTLSNRRFVLCGTNVKAMSIEESSNGSLSV
EFRHLQPKEMKSSAGGKGNEGCHMVTEELHSITFETQICLYGLTIDLETSSLPVVMISNVSQLPNA
WASIIWYNVSTNDSQNLVFFNNPPPATLSQLLEVMSWQFSSYVGRGLNSDQLHMLAEKLTQSS
YSDGHLTWAKFCKEHLPGKSFTFWTWLEAILDLIKKHILPLWIDGYVMGFVSKEKERLLLKDKMPG
TFLRFSESHLGGITFTWVDHSESGEVRFHSEVPYNKGRLSALPFADILRDYKVIMAENIPENPLKY
LYPDIPKDKAFGKHYSQPCVSRPTERGDKGYPVSFPISTIRSDSTEPHSPSDDLPMSPSVYA
VLRENLSPTTIETAMKSPYSAE

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

108.02

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 — STAT4

Entrez GeneID	6775
GeneBank Accession#	BC031212
Protein Accession#	AAH31212
Gene Name	STAT4
Gene Alias	SLEB11
Gene Description	signal transducer and activator of transcription 4
Omim ID	152700 180300 600558
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 is essential for mediating responses to IL12 in lymphocytes, and regulating the differentiation of T helper cells. [provided by RefSeq]
Other Designations	OTTHUMP00000163553

Pathway

- [Jak-STAT signaling pathway](#)

Disease

- [Antiphospholipid Syndrome](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Behcet Syndrome](#)
- [Birth Weight](#)
- [Brain Ischemia](#)
- [Bronchiolitis](#)
- [Cardiovascular Diseases](#)
- [Colitis](#)
- [Crohn Disease](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Endometriosis](#)
- [Genetic Predisposition to Disease](#)
- [Giant Cell Arteritis](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Infant](#)
- [Inflammation](#)

- [Inflammatory Bowel Diseases](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Meningeal Neoplasms](#)
- [Meningioma](#)
- [Multiple Sclerosis](#)
- [Osteoarthritis](#)
- [Proteinuria](#)
- [Psoriasis](#)
- [Pulmonary Fibrosis](#)
- [Respiratory Syncytial Virus Infections](#)
- [Scleroderma](#)
- [Tobacco Use Disorder](#)
- [Uveomeningoencephalitic Syndrome](#)
- [Wegener Granulomatosis](#)