

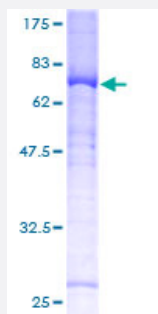
Full-Length

GSK3B (Human) Recombinant Protein (P01)

Catalog # H00002932-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human GSK3B full-length ORF (AAH00251, 1 a.a. - 433 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MSGRPRTTSFAESCKPVQQPSAFGSMKVS RDKGSKVTTVVATPGQGPDRPQEVSYTDTKVIG
NGSFGVVYQAKLCDSGELVAIKKVLQDKRFKNRELQIMRKLDHCNMLRYFFYSSGEKKDEVYLN
LVLDYVPETVYRVARHYSRAKQTLPIYVKLYMYQLFRSLAYIHSFGICHRDIKPQNLLDPDTAVLK
LCDFGSAKQLVRGEPNVSICYSRYYRAPELIFGATDYTSSIDVWSAGCVLAELLGQPIFPDGSV
DQLVEIKVLGTPTREQUIREMNPNYTEFKFPQIKAHPWTKDSSGTGHFTSGVRVFRPRTPEAIALC
SRLLEYTP TARLTPLEACAHSFFDEL RDPNVKLPNGRDPALLNFTTQELSSNPPLATILIPPHARIQ
AAASTPTNATAASDANTGDRGQTNNAASASASNST

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

73.37

Interspecies Antigen Sequence

Mouse (96); Rat (96)

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 — GSK3B

Entrez GeneID	2932
GeneBank Accession#	BC000251
Protein Accession#	AAH00251
Gene Name	GSK3B
Gene Alias	-
Gene Description	glycogen synthase kinase 3 beta
Omim ID	605004
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a serine-threonine kinase, belonging to the glycogen synthase kinase subfamily. It is involved in energy metabolism, neuronal cell development, and body pattern formation. Polymorphisms in this gene have been implicated in modifying risk of Parkinson disease, and studies in mice show that overexpression of this gene may be relevant to the pathogenesis of Alzheimer disease. Alternatively spliced transcript variants encoding different isoforms have been found for this gene
Other Designations	GSK3beta isoform glycogen synthase kinase-3 beta

Pathway

- [Axon guidance](#)
- [B cell receptor signaling pathway](#)
- [Basal cell carcinoma](#)
- [Cell cycle](#)
- [Chemokine signaling pathway](#)
- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [ErbB signaling pathway](#)
- [Focal adhesion](#)
- [Hedgehog signaling pathway](#)
- [Insulin signaling pathway](#)
- [Melanogenesis](#)
- [Neurotrophin signaling pathway](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [T cell receptor signaling pathway](#)
- [Wnt signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Amphetamine-Related Disorders](#)
- [Anorexia Nervosa](#)
- [Bipolar Disorder](#)

- [Bone Diseases](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Bulimia](#)
- [Cardiovascular Diseases](#)
- [Cognition](#)
- [Dementia](#)
- [Depressive Disorder](#)
- [Diabetes Mellitus](#)
- [Disease Models](#)
- [Disease Progression](#)
- [Drug Toxicity](#)
- [Dyskinesia](#)
- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Hypercholesterolemia](#)
- [Lung Neoplasms](#)
- [Mood Disorders](#)
- [Movement Disorders](#)
- [Multiple Myeloma](#)
- [Neoplasm Invasiveness](#)
- [Parkinson disease](#)
- [Personality Disorders](#)
- [Personality Inventory](#)
- [Polycystic Ovary Syndrome](#)

- [Psychiatric Status Rating Scales](#)
- [Psychotic Disorders](#)
- [Pulmonary Disease](#)
- [Recurrence](#)
- [Schizophrenia](#)
- [Schizophrenic Psychology](#)
- [Sleep Deprivation](#)
- [Stomach Neoplasms](#)
- [Urinary Bladder Neoplasms](#)
- [Weight Gain](#)
- [Werner syndrome](#)