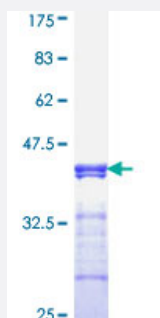


TCF7L2 (Human) Recombinant Protein (Q01)

Catalog # H00006934-Q01

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human TCF7L2 partial ORF (NP_110383, 490 a.a. - 596 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	SPNLLGSPPRDAKSQTEQTQPLSLSLKPDPLAHLMMPPPPALLLAEATHKASALCPNGALDLP PAALQPAAPSSSIAQPSTSSLHSHSSLAGTQPQPLSLVTKSLE
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 — TCF7L2

Entrez GeneID	6934
GeneBank Accession#	NM_030756
Protein Accession#	NP_110383
Gene Name	TCF7L2
Gene Alias	TCF-4, TCF4
Gene Description	transcription factor 7-like 2 (T-cell specific, HMG-box)
Omim ID	125853 602228
Gene Ontology	Hyperlink
Gene Summary	This gene encodes a high mobility group (HMG) box-containing transcription factor that plays a key role in the Wnt signaling pathway. The protein has been implicated in blood glucose homeostasis. Genetic variants of this gene are associated with increased risk of type 2 diabetes
Other Designations	OTTHUMP00000020496 transcription factor 7-like 2

Pathway

- [Acute myeloid leukemia](#)
- [Adherens junction](#)
- [Arrhythmogenic right ventricular cardiomyopathy \(ARVC\)](#)
- [Basal cell carcinoma](#)

- [Colorectal cancer](#)
- [Endometrial cancer](#)
- [Melanogenesis](#)
- [Pathways in cancer](#)
- [Prostate cancer](#)
- [Thyroid cancer](#)
- [Wnt signaling pathway](#)

Disease

- [Adenoma](#)
- [Alzheimer disease](#)
- [Atherosclerosis](#)
- [Autoimmune Diseases](#)
- [Birth Weight](#)
- [Body Weight](#)
- [Breast cancer](#)
- [Breast Neoplasms](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Chronic Disease](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Coronary Artery Disease](#)

- [Coronary Disease](#)
- [Crohn Disease](#)
- [Cystic fibrosis](#)
- [Diabetes](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Angiopathies](#)
- [Diabetic Nephropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Fatty Liver](#)
- [Fetal Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Glucose Intolerance](#)
- [Glucose Metabolism Disorders](#)
- [Growth Disorders](#)
- [HIV Infections](#)
- [Hypercholesterolemia](#)
- [Hyperglycemia](#)
- [Hyperinsulinism](#)
- [Hyperlipidemias](#)
- [Hypertension](#)
- [Hypertriglyceridemia](#)
- [Inflammation](#)
- [Insulin Resistance](#)

- [Kidney Diseases](#)
- [Kidney Failure](#)
- [Macular Degeneration](#)
- [Malnutrition](#)
- [Metabolic Syndrome X](#)
- [Microsatellite Instability](#)
- [Neoplasms](#)
- [Obesity](#)
- [Ovarian Neoplasms](#)
- [Overweight](#)
- [Pancreatitis](#)
- [Polycystic Ovary Syndrome](#)
- [Postoperative Complications](#)
- [Prediabetic State](#)
- [Pregnancy Complications](#)
- [Pregnancy in Diabetics](#)
- [Prostate cancer](#)
- [Prostatic Neoplasms](#)
- [Psychotic Disorders](#)
- [Puberty](#)
- [Schizophrenia](#)
- [Starvation](#)
- [Taste](#)
- [Thinness](#)
- [Tobacco Use Disorder](#)
- [Weight Gain](#)

- [Weight Loss](#)