Bioactive

TNFRSF1A (Human) Recombinant Protein

Catalog # P7363 Size 10 ug

Specification

Product Description	Human TNFRSF1A (P19438, 50 a.a. - 211 a.a) partial recombinant protein expressed in CHO cells.
Sequence	IHPQNNSICCTKCHKGTYLYNDCPGPGQDTDCRECESGSFTASENHLRHCLSCSKCRKEMGQVE ISSCTVDRDTVCGCRKNQYRHYWSENLFQCFNCSLCLNGTVHLSCQEKQNTVCTCHAGFFLREN ECVSCSNCKKSLECTKLCLPQIENVKGTEDSGTT
Host	Mammals
Theoretical MW (kDa)	28 - 35
Form	Lyophilized
Preparation Method	Mammalian cell (CHO) expression system
Purity	> 95% as analyzed by SDS-PAGE.
Endotoxin Level	< 0.2 EU/ug of protein by gel clotting method
Activity	ED_{50} < 50.0 ng/mL, measured in a cell proliferation assay using 929 cells in the presence of 1.0 ng/ml human TNF-α.
Recommend Usage	Biological Activity SDS-PAGE The optimal working dilution should be determined by the end user.
Storage Buffer	Lyophilized from PBS. Reconstitute the lyophilized powder in ddH_2O up to 100 ug/mL.
Storage Instruction	Store at 4°C to 8°C for 1 week. For long term storage store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study

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- SDS-PAGE

Gene Info — TNFRSF1A

Entrez GeneID	7132
Protein Accession#	P19438
Gene Name	TNFRSF1A
Gene Alias	CD120a, FPF, MGC19588, TBP1, TNF-R, TNF-R-I, TNF-R55, TNFAR, TNFR1, TNFR55, TNFR60, p55, p55-R, p60
Gene Description	tumor necrosis factor receptor superfamily, member 1A
Omim ID	142680 191190
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a member of the TNF-receptor superfamily. This protein is one of the major receptors for the tumor necrosis factor-alpha. This receptor can activate NF-kappa B, mediate apoptosis, and function as a regulator of inflammation. Antiapoptotic protein BCL2-associated athanogene 4 (BAG4/SODD) and adaptor proteins TRADD and TRAF2 have been shown to interact with this receptor, and thus play regulatory roles in the signal transduction mediated by the receptor. Germline mutations of the extracellular domains of this receptor were found to be associated with the autosomal dominant periodic fever syndrome. The impaired receptor clearance is thought to be a mechanism of the disease. [provided by RefSeq
Other Designations	tumor necrosis factor binding protein 1|tumor necrosis factor receptor 1|tumor necrosis factor receptor type 1|tumor necrosis factor-alpha receptor

Pathway

- Adipocytokine signaling pathway
- Amyotrophic lateral sclerosis (ALS)
- Apoptosis
- Cytokine-cytokine receptor interaction
- MAPK signaling pathway

Disease

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- Abortion
- Acquired Immunodeficiency Syndrome
- Acute Disease
- Adenocarcinoma
- Aggressive Periodontitis
- Alveolar Bone Loss
- Alzheimer disease
- Amphetamine-Related Disorders
- Amyloidosis
- Anemia
- Arteriosclerosis
- Arthritis
- Aspergillosis
- Asthma
- Atherosclerosis
- Autoimmune Diseases
- Behcet Syndrome
- Brain Infarction
- Breast Neoplasms
- Bronchiolitis
- Calcinosis
- Carcinoma
- Cardiovascular Diseases
- Chorioamnionitis
- Chronic Disease

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- Chronic Periodontitis
- Colitis
- Connective Tissue Diseases
- Constriction
- Coronary Artery Disease
- Crohn Disease
- Cystic fibrosis
- Diabetes Complications
- Diabetes Mellitus
- Diabetic Nephropathies
- Diarrhea
- Disease Models
- Disease Progression
- Disease Susceptibility
- Ductus Arteriosus
- Edema
- Endometriosis
- Esophageal Neoplasms
- Esophagitis
- Familial Mediterranean fever
- Fetal Diseases
- Fetal Membranes
- Genetic Predisposition to Disease
- Glaucoma
- Graft vs Host Disease
- Heart Defects

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- Hematologic Diseases
- Hepatitis
- Hepatitis C
- HIV Seropositivity
- HTLV-I Infections
- Hypercholesterolemia
- Hypergammaglobulinemia
- Ileitis
- Infant
- Infection
- Inflammation
- Inflammatory Bowel Diseases
- Irritable Bowel Syndrome
- Leukemia-Lymphoma
- Liver Cirrhosis
- Lung Diseases
- Lung Neoplasms
- Lupus Erythematosus
- Lymphoma
- Lymphoproliferative Disorders
- Measles
- Metabolic Syndrome X
- Mouth Neoplasms
- Multiple Myeloma
- Multiple Sclerosis
- Mumps

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- Musculoskeletal Diseases
- Myocardial Infarction
- Narcolepsy
- Neoplasms
- Obesity
- Obstetric Labor
- Occupational Diseases
- Osteoarthritis
- Osteoporosis
- Pain
- Paraparesis
- Paratyphoid Fever
- Parkinson disease
- Pericarditis
- Periodontal Attachment Loss
- Periodontal Pocket
- Periodontitis
- Pre-Eclampsia
- Pregnancy Complications
- Premature Birth
- Psychiatric Status Rating Scales
- Pulmonary Disease
- Pulmonary Emphysema
- Radiation Injuries
- Radiation Pneumonitis

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- Recurrence
- Respiratory Syncytial Virus Infections
- Rheumatic Diseases
- Rubella
- Schizophrenia
- Sepsis
- Shock
- Skin Diseases
- Spondylitis
- Stomach Neoplasms
- Stomatitis
- Syndrome
- Thyroiditis
- Tuberculosis
- Typhoid Fever
- Urinary Bladder Neoplasms
- Uveitis
- Venous Thrombosis
- Viremia
- Weight Gain
- Werner syndrome

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