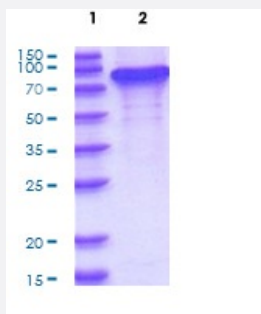


Bioactive

SELE (Human) Recombinant Protein

Catalog # P8094 Size 100 ug

Applications



Specification

Product Description

Human SELE (P16581, 22 a.a. - 556 a.a.) partial length recombinant protein His tag expressed in B aculovirus expression system.

Sequence

WSYNTSTEAMTYDEASAYCQQRHYTHLVAIQNKEEIEYLNLSILSYSPSYWIGIRKVNNVWVWVGTQK
PLTEEAKNWAPGEPNNRQKDEDCVEIMKREKDVGMWNDERCSKKKLALCYTAACNTNTSCSGH
GECVETINNYTCKCDPGFSGLKCEQIVNCTALESPEHGSLVCSHPLGNFSYNSSCSISCDRGYP
SSMETMQCMSSGEWSAPIACNVVECDVTPNANGFVECFQNPGSFPWNTTCTFDCEEGFEL
MGAQSLQCTSSGNWDNEKPTCKAVTCRAVRQPQNGSVRCSHSPAGEFTFKSSCNFTCEEFGFM
LQGPAQVECTTQGGWTQQIPVCEAFQCTALSNPERGYMNCLPSASGSFRYGSSCEFSCEQGFV
LKGSKRLQCGPTGEWDNEKPTCEAVRCDVHQPPLGLVRCVCAHSPIGFTYKSSCAFSCEEGFE
LHGSTQLECTSQGQWTEVPSCQVVKCSSLAVPGKINMSCSGEPVFGTVCKFACPEGWTLNGS
AARTCGATGHWSGLLPTEAPTESNIP

Host Viruses

Theoretical MW (kDa) 59.4

Form Liquid

Preparation Method Baculovirus expression system

Purity > 95% by SDS-PAGE

Endotoxin Level < 1 EU per 1 ug of protein (determined by LAL method)

Activity	Measured by the ability of the immobilized protein to support the adhesion of U937 human histiocytic lymphoma cells. When cells are added to human E-Selectin/CD62E coated plates 2 ug/ml. This effect is more to 40%.
Quality Control Testing	3 ug by SDS-PAGE under reducing condition and visualized by Coomassie blue stain.
Storage Buffer	In Phosphate-Buffer Saline pH 7.4 (10% glycerol)
Storage Instruction	Store at 2°C to 8°C for 1 week. For long term storage, aliquot and store at -20°C to -80°C. Aliquot to avoid repeated freezing and thawing.

Applications

- Functional Study
- SDS-PAGE

Gene Info — SELE

Entrez GeneID	6401
Protein Accession#	P16581
Gene Name	SELE
Gene Alias	CD62E, ELAM, ELAM1, ESEL, LECAM2
Gene Description	selectin E
Omim ID	131210 145500 161950
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is found in cytokine-stimulated endothelial cells and is thought to be responsible for the accumulation of blood leukocytes at sites of inflammation by mediating the adhesion of cells to the vascular lining. It exhibits structural features such as the presence of lectin- and EGF-like domains followed by short consensus repeat (SCR) domains that contain 6 conserved cysteine residues. These proteins are part of the selectin family of cell adhesion molecules. Adhesion molecules participate in the interaction between leukocytes and the endothelium and appear to be involved in the pathogenesis of atherosclerosis. [provided by RefSeq]
Other Designations	OTTHUMP00000032745 endothelial adhesion molecule 1 leukocyte endothelial cell adhesion molecule 2

Pathway

- [Cell adhesion molecules \(CAMs\)](#)

Disease

- [Acute Disease](#)
- [Adenocarcinoma](#)
- [Aggressive Periodontitis](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anemia](#)
- [Arterial Occlusive Diseases](#)
- [Arteriosclerosis](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Birth Weight](#)
- [Blood Coagulation Disorders](#)
- [Brain Ischemia](#)
- [Bronchiolitis](#)
- [Bronchopulmonary Dysplasia](#)
- [Calcinosis](#)
- [Cardiomyopathies](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)

- [Carotid Stenosis](#)
- [Celiac Disease](#)
- [Cerebral Palsy](#)
- [Cerebrovascular Accident](#)
- [Cerebrovascular Disorders](#)
- [Chlamydia Infections](#)
- [Chorioamnionitis](#)
- [Chronic Periodontitis](#)
- [Cicatrix](#)
- [Colon cancer](#)
- [Colonic Neoplasms](#)
- [Colorectal Neoplasms](#)
- [Constriction](#)
- [Coronary Artery Disease](#)
- [Coronary Disease](#)
- [Coronary Restenosis](#)
- [Dental Plaque](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Diabetic Neuropathies](#)
- [Diabetic Retinopathy](#)
- [Disease Progression](#)
- [Edema](#)
- [Erythema Nodosum](#)
- [Fatigue Syndrome](#)
- [Fetal Membranes](#)

- [Genetic Diseases](#)
- [Genetic Predisposition to Disease](#)
- [Gingival Hemorrhage](#)
- [Glioblastoma](#)
- [Glioma](#)
- [Glomerulonephritis](#)
- [Graves Disease](#)
- [HELLP Syndrome](#)
- [Hemorrhage](#)
- [Hepatitis B](#)
- [Hypercholesterolemia](#)
- [Hyperlipoproteinemia Type II](#)
- [Hypertension](#)
- [Inflammation](#)
- [Intracranial Thrombosis](#)
- [Ischemia](#)
- [Kidney Failure](#)
- [Leukemia](#)
- [Limb Deformities](#)
- [Lung Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lymphoma](#)
- [Macular Degeneration](#)
- [Malaria](#)
- [Meningeal Neoplasms](#)

- [Meningioma](#)
- [Metabolic Diseases](#)
- [Metabolic Syndrome X](#)
- [Migraine Disorders](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Myocardial Reperfusion Injury](#)
- [Neoplasm Metastasis](#)
- [Neoplasms](#)
- [Obesity](#)
- [Obstetric Labor](#)
- [Osteoporosis](#)
- [Pancreatic Neoplasms](#)
- [Periodontal Attachment Loss](#)
- [Periodontal Pocket](#)
- [Periodontitis](#)
- [Peripheral Arterial Disease](#)
- [Peripheral Vascular Diseases](#)
- [Postoperative Complications](#)
- [Postoperative Hemorrhage](#)
- [Pre-Eclampsia](#)
- [Premature Birth](#)
- [Pseudoxanthoma Elasticum](#)
- [Psychiatric Status Rating Scales](#)
- [Purpura](#)
- [Q Fever](#)

- [Recurrence](#)
- [Renal Insufficiency](#)
- [Respiratory Syncytial Virus Infections](#)
- [Sarcoidosis](#)
- [Schizophrenia](#)
- [Sepsis](#)
- [Stroke](#)
- [Systemic Inflammatory Response Syndrome](#)
- [Temporal Arteritis](#)
- [Thromboembolism](#)
- [Thrombosis](#)
- [Trachoma](#)
- [Urinary Bladder Neoplasms](#)
- [Urinary Tract Infections](#)
- [Vasculitis](#)
- [Venous Thrombosis](#)
- [Werner syndrome](#)