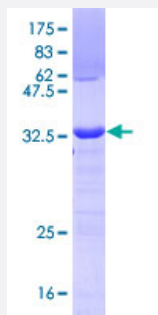


SPP1 (Human) Recombinant Protein (Q02)

Catalog # H00006696-Q02

Size 25 ug, 10 ug

Applications



Specification

Product Description	Human SPP1 partial ORF (NP_000573.1, 21 a.a. - 129 a.a.) recombinant protein with GST-tag at N-terminal.
Sequence	QADSGSSEEKQLYNKYPAVATWLNPDPSQKQNLLAPQTLPSKSNESHDMDDMDEDDDDH VDSQDSIDSNDSDDVDDTDDSHQSDESHHSDESEDELVTDFPTDLPAT
Host	Wheat Germ (in vitro)
Theoretical MW (kDa)	37.62
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 — SPP1

Entrez GeneID	6696
GeneBank Accession#	NM_000582
Protein Accession#	NP_000573.1
Gene Name	SPP1
Gene Alias	BNSP, BSPI, ETA-1, MGC110940, OPN
Gene Description	secreted phosphoprotein 1
Omim ID	166490
Gene Ontology	Hyperlink
Gene Summary	bone sialoprotein I
Other Designations	SPP1/CALPHA1 fusion bone sialoprotein I early T-lymphocyte activation 1 osteopontin osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein secreted phosphoprotein 1 (osteopontin, bone sialoprotein I, early T-lymphocyte activation 1)

Pathway

- [ECM-receptor interaction](#)
- [Focal adhesion](#)
- [Toll-like receptor signaling pathway](#)

Disease

- [Adenocarcinoma](#)
- [Alzheimer disease](#)
- [Amyotrophic lateral sclerosis](#)
- [Anoxia](#)
- [Aortic Aneurysm](#)
- [Arthritis](#)
- [Asthma](#)
- [Atherosclerosis](#)
- [Brain Infarction](#)
- [Brain Ischemia](#)
- [Calcinosis](#)
- [Carcinoma](#)
- [Cardiovascular Diseases](#)
- [Carotid Artery Diseases](#)
- [Cerebrovascular Disorders](#)
- [Chronic Disease](#)
- [Cleft Lip](#)
- [Cleft Palate](#)
- [Coronary Artery Disease](#)
- [Diabetes Complications](#)
- [Diabetes Mellitus](#)
- [Disease Progression](#)
- [Disease Susceptibility](#)

- [Edema](#)
- [Esophageal Neoplasms](#)
- [Genetic Predisposition to Disease](#)
- [Glioma](#)
- [Head and Neck Neoplasms](#)
- [Hepatitis B](#)
- [Hepatitis C](#)
- [HIV Infections](#)
- [Hypersensitivity](#)
- [Hypertension](#)
- [Inflammation](#)
- [Kidney Calculi](#)
- [Kidney Failure](#)
- [Lewy Body Disease](#)
- [Liver Neoplasms](#)
- [Lupus Erythematosus](#)
- [Lupus Nephritis](#)
- [Metabolic Syndrome X](#)
- [Multiple Sclerosis](#)
- [Myocardial Infarction](#)
- [Neoplasm Recurrence](#)
- [Neoplasms](#)
- [Nephrolithiasis](#)
- [Osteoporosis](#)
- [Ovarian Neoplasms](#)
- [Periodontitis](#)

- [Pseudoxanthoma Elasticum](#)
- [Sarcoidosis](#)
- [Stroke](#)
- [Urinary Calculi](#)
- [Urolithiasis](#)