HuPro®

SPP1 (Human) Recombinant Protein

Catalog # P9188 Size 50 ug

Specification

Product Description	Human SPP1 partial recombinant protein with His tag in C-terminus expressed in HEK293 cells.
Sequence	IPVKQADSGSSEEKQLYNKYPDAVATWLNPDPSQKQNLLAPQNAVSSEETNDFKQETLPSKSNE SHDHMDDMDDEDDDDHVDSQDSIDSNDSDDVDDTDDSHQSDESHHSDESDELVTDFPTDLP ATEVFTPVVPTVDTYDGRGDSVVYGLRSKSKKFRRPDIQYPDATDEDITSHMESEELNGAYKAIPV AQDLNAPSDWDSRGKDSYETSQLDDQSAETHSHKQSRLYKRKANDESNEHSDVIDSQELSKVS REFHSHEFHSHEDMLVVDPKSKEEDKHLKFRISHELDSASSEVNVDHHHHHH
Host	Human
Theoretical MW (kDa)	34.5
Specificity	SPP1 Human, HEK
Form	Lyophilized
Preparation Method	Mammalian cell (HEK 293) expression system
Purification	chromatographic
Purity	> 95% as determined by SDS-PAGE.
Storage Buffer	Lyophilized from a solution containing 20 mM PB, pH 7.2, 150 mM NaCl. Reconstitute the lyophilized powder in 1X PBS to 100 ug/mL.
Storage Instruction	Store at 4°C for 2-4 weeks and should be stored at -20°C to -80°C for long term storage. Avoid repeated freeze/thaw cycles.

Applications

- SDS-PAGE

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Gene Info — SPP1

Entrez GeneID	6696
Protein Accession#	P10451
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

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- 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

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- 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

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