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Product Datasheet

Biotinylated Mouse Osteopontin (OPN) Protein, His,Avitag(TM), Human ABS-OPN-M82E8-25UG

Article Name	Biotinylated Mouse Osteopontin (OPN) Protein, His,Avitag(TM), Human
Biozol Catalog Number	ABS-OPN-M82E8-25UG
Supplier Catalog Number	OPN-M82E8-25ug
Alternative Catalog Number	ABS-OPN-M82E8-25UG
Manufacturer	AcroBiosystems
Host	Human
Category	Proteine/Peptide
Species Reactivity	Mouse
Conjugation	Biotin
Product Description	Osteopontin (OPN) is also known as Secreted phosphoprotein 1 (SPP1), Bone sialoprotein 1, Nephropontin, Urinary stone protein, Uropontin, BNSP, which belongs to the osteopontin family. OPN / SPP1 is a highly negatively charged, extracellular matrix protein that is secreted by various cell types. It is involved in the regulation of bone formation and mineralization, as well as in the development of various diseases. OPN has been implicated in the pathogenesis of osteoporosis, osteosarcoma, and other disorders. It is also involved in the regulation of cell adhesion, migration, and proliferation. OPN is a single-chain protein with a molecular weight of approximately 34 kDa. It contains a signal peptide, a proline-rich domain, and a C-terminal domain. The C-terminal domain contains a highly conserved sequence of amino acids that is characteristic of the osteopontin family. OPN is a heterodimeric protein that forms a complex with other proteins, such as integrins and matrix metalloproteinases. It is also involved in the regulation of gene expression and protein phosphorylation. OPN is a promising target for therapeutic intervention in various diseases. It is currently being investigated as a potential therapeutic agent for osteoporosis, osteosarcoma, and other disorders. It is also being investigated as a potential biomarker for various diseases, such as breast cancer and prostate cancer. OPN is a highly conserved protein that is found in various tissues and organs. It is a key player in the regulation of bone formation and mineralization, as well as in the development of various diseases. It is a heterodimeric protein that forms a complex with other proteins, such as integrins and matrix metalloproteinases. It is also involved in the regulation of gene expression and protein phosphorylation. OPN is a promising target for therapeutic intervention in various diseases. It is currently being investigated as a potential therapeutic agent for osteoporosis, osteosarcoma, and other disorders. It is also being investigated as a potential biomarker for various diseases, such as breast cancer and prostate cancer.
Molecular Weight	34.3 kDa
Tag	C-10*His & C-Avi
NCBI	547
Buffer	PBS, 0.2 M Arginine, pH7.4
Purity	95%
Form	Powder

Target

Osteopontin