

Osteopontin (OPN) Active Protein | OPN active protein

Active Osteopontin (OPN)

CATALOG # AAA153066	HOST 293F Cell	APPLICATIONS Activity Assay, Cell Culture
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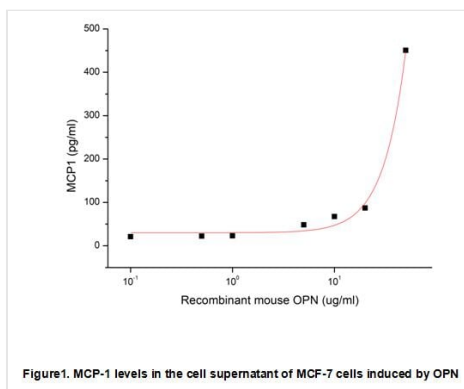
PRODUCT SYNONYMS

Osteopontin (OPN); Active Osteopontin (OPN); Osteopontin; OPN active protein (eukaryotic; 293F Cell); Mouse; SPP1; BNSP; BSPI; ETA1; Secreted Phosphoprotein 1; Bone Sialoprotein I; Early T-Lymphocyte Activation 1; Nephropontin; Urinary stone protein; Uropontin; OPN active protein

PRODUCT SPECIFICATIONS

Host	293F Cell
Purity/Purification	Greater than 95% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 0.01% SKL, 5% Trehalose. Freeze-dried powder
Sequence Positions	Leu17~Asn294
Applicable Applications for OPN active protein	Activity Assay, Cell Culture
Expression System	Eukaryotic expression
Species	Mouse
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	4.3
Research Area	Tumor immunity
Preparation and Storage	Store at 2-8 degree C for one month, -80 degree C for 12 months Stable for 12 months if correctly stored.

IMAGES

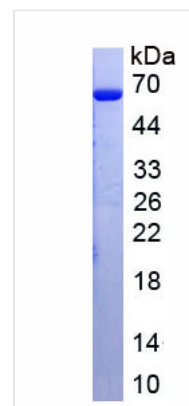


Bioactivity

Osteopontin (OPN), a multifunctional phosphorylated glycoprotein, plays an important role in neutrophil recruitment and was found to induce the expression of proinflammatory chemokines including MCP-1 and MIP-1beta which promote migration and recruitment

SDS-PAGE

Figure. SDS-PAGE



ADDITIONAL INFORMATION

Product Categories/Family for OPN active protein	Active proteins
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NCBI AND UNIPROT INFORMATION

NCBI GI #	129261
NCBI GeneID	20750
UniProt Accession #	P10923; P19008; Q91VH4
Molecular Weight	32,459 Da
NCBI Official Full Name	Osteopontin
NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	Spp1
NCBI Official Synonym Symbols	OP; 2AR; Bsp; Eta; Opn; Ric; BNSP; BSPI; Opnl; Apl-1; ETA-1; Spp-1
NCBI Protein Information	osteopontin; minopontin; bone sialoprotein 1; osteopontin-like protein; 44 kDa bone phosphoprotein; early T-lymphocyte activation 1 protein; calcium oxalate crystal growth inhibitor protein
UniProt Protein Name	Osteopontin
UniProt Gene Name	Spp1
UniProt Synonym Gene Names	Eta-1; Op; Spp-1; SPP-1
UniProt Entry Name	OSTP_MOUSE

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.