

Eukaryotic Osteopontin (OPN) Protein | OPN protein

Eukaryotic Osteopontin (OPN)

CATALOG # AAA153190	HOST 293F Cell	APPLICATIONS Western Blot, SDS-Page
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PRODUCT SYNONYMS

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

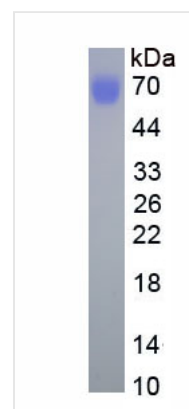
PRODUCT SPECIFICATIONS

Host	293F Cell
Purity/Purification	Greater than 90% by SDS-PAGE
Form/Format	PBS, pH7.4, containing 5% Trehalose. Freeze-dried powder
Sequence Positions	Ile17~Ser59+Thr73~Asn314
Applicable Applications for OPN protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Expression System	Eukaryotic expression
Species	Human
Tag	N-terminal His
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	4.1
Subcellular Location	Secreted
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

IPVKGADGSSREKQLYNYKPDVATWLNPPPSQKQNLAPQTLPSKSNESHENMDGDDDDHVSQSDISDNDSDVD
DYDQSHQSGSHASQDSDELVTDFPTDLPATEVFTPVVPTVDTYDGRGDSVYGLRSKSKPRRPDIQYPTATDEDITSHNE
SEELNGATKALPYAQLNAPSCWDSRGKDSYETSLQDQGAETHSHQGRLYRKANDSNHSDVIDSQELSKVSREPHSH
EPHSHEDMLYDFKSKEDDGLKPRISHELDSSSEYN

Amino Acid Info



SDS-PAGE
Figure. SDS-PAGE

ADDITIONAL INFORMATION

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

NCBI GI #	4759166
NCBI GeneID	6696
NCBI Accession #	NP_000573.1
NCBI GenBank Nucleotide #	NM_000582.2
UniProt Accession #	P10451; Q15681; Q15682; Q15683; Q4W597; Q567T5; Q8NBK2; Q96IZ1; B2RDA1
Molecular Weight	35,423 Da
NCBI Official Full Name	osteopontin isoform OPN-b
NCBI Official Synonym Full Names	secreted phosphoprotein 1
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; BNSP; BSPI; ETA-1
NCBI Protein Information	osteopontin; uropontin; nephropontin; SPP1/CALPHA1 fusion; urinary stone protein; early T-lymphocyte activation 1; osteopontin/immunoglobulin alpha 1 heavy chain constant region fusion protein; secreted phosphoprotein 1 (osteopontin, bone sialoprotein I,
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	BNSP; OPN; SPP-1
UniProt Entry Name	OSTP_HUMAN

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.

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Online datasheet: <https://stage.aaabiotech.com/293f-cell-protein/eukaryotic-osteopontin-opn/153190>