

Osteopontin (OPN) Protein | OPN protein

Eukaryotic Osteopontin (OPN)

CATALOG # AAA147117	HOST 293F cell	APPLICATIONS Western Blot, SDS-Page
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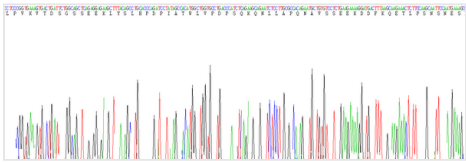
PRODUCT SYNONYMS

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

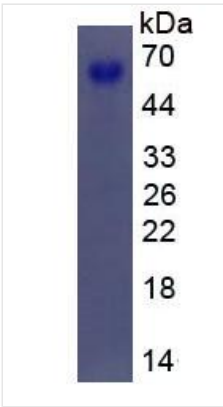
PRODUCT SPECIFICATIONS

Host	293F cell
Purity/Purification	> 95%
Form/Format	Freeze-dried powder
Sequence Length	300
Applicable Applications for OPN protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Fragment	Leu17~Asn294
Tag	N-terminal His Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 5% Trehalose and Proclin300.
Source Note	Eukaryotic expression
Organism Species	Mouse
Endotoxin Level	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	4.3
Subcellular Location	Secreted
Usage	Reconstitute in PBS or others.
Preparation and Storage	Avoid repeated freeze/thaw cycles. Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37 degree C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

IMAGES



Application Data



SDS-PAGE

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LPVK VTDGSGSEK LYSLHPDPIA TWLVDPDSQK
QNLLAPQNAV SSEEKDDFKQ ETLPSNSNES HDHMDDDDD DDDGDHAE
EDSVDSDES ESHHSDSEDE TVTASTQADT FTPIVPTVDV PNGRGDSL
GLRSKRSFQ VSDEQYPDAT DEDLTSHMKS GESKESLDVI PVAQLLSMP
DQDNNGKGS ESSLDEPSL ETHRLEHSKE SQESADQSDV IDSQASSK
LEHQSHKFHS HKDKLVLPK SKEDDRYLKF RISHELESS SEVN
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Sequence

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	32.4kDa; 35kDa
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
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	BNSP; OPN; SPP-1

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.