

Osteopontin (OPN) Recombinant Protein | OPN recombinant protein

Recombinant Osteopontin (OPN)

CATALOG # AAA150679	HOST E Coli	APPLICATIONS Western Blot, SDS-Page
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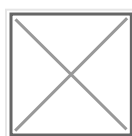
PRODUCT SYNONYMS

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

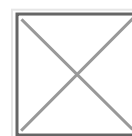
PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	>95%
Form/Format	Freeze-dried powder 20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Sequence	Leu17~Asn2 78
Applicable Applications for OPN recombinant protein	WB (Western Blot), SDS-PAGE, Immunogen, Positive Control
Source	Prokaryotic expression
Species	Cattle
Tag	N-terminal His and GST Tag
Endotoxin	<1.0EU per 1ug (determined by the LAL method)
Isoelectric Point	4.2
Subcellular Location	Secreted
Usage	Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) to a concentration of 0.1-1.0 mg/mL. Do not vortex.
Preparation and Storage	Store at 2-8 degree C for one month. Aliquot and store at -80 degree C for 12 months. Avoid repeated freeze/thaw cycles. 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.

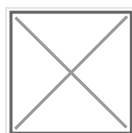
IMAGES



SDS-PAGE
Figure. SDS-PAGE



Gene Sequence
Figure. Gene Sequencing (extract)



Sequence

ADDITIONAL INFORMATION

Product Categories/Family for OPN recombinant protein	Tumor immunity; Bone metabolism; Recombinant proteins/RP
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806401
NCBI GeneID	281499
NCBI Accession #	NP_776612.1
NCBI GenBank Nucleotide #	NM_174187.2
UniProt Accession #	P31096; Q56NM9; Q8SPS6; P31098
Molecular Weight	30,904 Da
NCBI Official Full Name	osteopontin
NCBI Official Symbol	SPP1
NCBI Official Synonym Symbols	OPN; OST
NCBI Protein Information	osteopontin
UniProt Protein Name	Osteopontin
UniProt Gene Name	SPP1
UniProt Synonym Gene Names	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.

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Online datasheet: <https://stage.aaabiotech.com/spp1-recombinant-protein-e-coli-wb-western-blot-sds-page-immunogen-positive-control/150679>