



# Recombinant Rat Osteopontin (Spp1)

<b>Product Code</b>	CSB-EP022603RA
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P08721
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Rattus norvegicus (Rat)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	<p>LPVK VAEFGSSEEK AHYSKHSDAV ATWLKPDPSQ KQNLLAPQNS  VSSEETDDFK QETLPSNSNE SHDHMDDDDD DDDDGDHAES  EDSVNSDESD ESHHSDESDE SFTASTQADV LTPIAPTVDV PDGRGDSLAY  GLRSKRSRFP VSDEQYPDAT DEDLTSRMKS QESDEAIKVI PVAQRLSVPS  DQDSNGKTSH ESSQLDEPSV ETHSLEQSKE YKQRASHEST EQSDAIDSAE  KPAIDSAER SDAIDSQASS KASLEHQSHE FSHEDKLV LDPKSKEDDRY  LKFRISHELE SSSSEVN</p>
<b>Source</b>	E.coli
<b>Target Names</b>	Spp1
<b>Protein Names</b>	Recommended name: Osteopontin Alternative name(s): Bone sialoprotein 1 Secreted phosphoprotein 1 Short name= SPP-1
<b>Expression Region</b>	17-317
<b>Notes</b>	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
<b>Tag Info</b>	Tag type will be determined during the manufacturing process.
<b>Protein Length</b>	Full Length of Mature Protein
<b>Reconstitution</b>	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL. We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
<b>Shelf Life</b>	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself. Generally, the shelf life of liquid form is 6 months at -20°C/-80°C. The shelf life of lyophilized form is 12 months at -20°C/-80°C.