



Recombinant Mouse Osteopontin (Spp1), partial

Product Code	CSB-BP022603MO
Relevance	Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity.
Storage	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.
Uniprot No.	P10923
Alias	2ARBone sialoprotein 1Calcium oxalate crystal growth inhibitor protein;Early T-lymphocyte activation 1 protein;Minopontin;Secreted phosphoprotein 1 ;SPP-1
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	Greater than 90% as determined by SDS-PAGE.
Sequence	LPVKVTDSGSSEEKLYSLHPDIATWLVPDPSQKQNLAPQNAVSSSEKDDDFK QETLPSNSNESHDHMMMMMMMMDGDHAESEDSVDSDESDESHHSESD ETVTASTQADTFTPIVPTVDVPNGRGLSLAYGLRSKRSRFQVSDEQYPDATDE DLTSHMKSGESKESLDVIPVAQLLSMPDQDNNKGKSHSSQLDEPSLETHR LEHSKESQESADQSDVIDSQASSKASLEHQSHKFHSHKDKLVLPKSKEDDR YLKFRISHELESSS
Research Area	Others
Source	Baculovirus
Target Names	Spp1
Expression Region	17-290aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Mol. Weight	34.3kDa
Protein Length	Partial
Reconstitution	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.
Shelf Life	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.