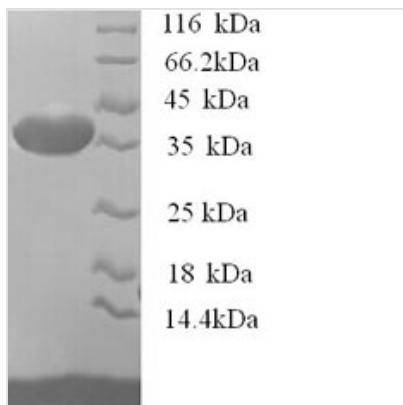


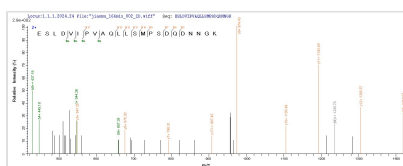


Recombinant Mouse Osteopontin (Spp1), partial

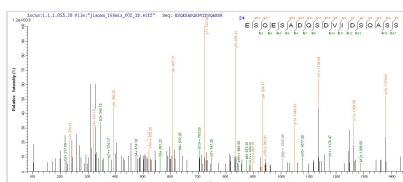
Product Code	CSB-YP022603MO
Relevance	Binds tightly to hydroxyapatite. Appears to form an integral part of the mineralized matrix. Probably important to cell-matrix interaction. Acts as a cytokine involved in enhancing production of interferon-gamma and interleukin-12 and reducing production of interleukin-10 and is essential in the pathway that leads to type I immunity.
Abbreviation	Recombinant Mouse Spp1 protein, partial
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	2AR Bone sialoprotein 1 Calcium 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	LPVKVTDSGSSEEKLYSLHPDPIATWLVPDPSQKQKQKLLAPQNAVSSEEKDDFK QETLPSNSNESHDMDDDDDDDDGGDHAESDSDVSDSDSHHSDESD ETVTASTQADTFPIVPTVDVPNGRGLSLAYGLRSKRSFQVSDEQYPDATDE DLTSHMKSGESKESLDVIPVAQLLSMPDQDNNKGSHESSQLDEPSLETHR LEHSKESQESADQSDVIDSQASSKASLEHQSHKFKSHKDKLVLPKSKEDDR YLKFRISHELESSS
Research Area	Others
Source	Yeast
Target Names	Spp1
Protein Names	Recommended name: Osteopontin Alternative name(s): 2AR Bone sialoprotein 1 Calcium oxalate crystal growth inhibitor protein Early T-lymphocyte activation 1 protein Minopontin Secreted phosphoprotein 1 Short name= SPP-1
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	N-terminal 6xHis-tagged
Mol. Weight	32.3kDa
Protein Length	Partial
Image	



(Tris-Glycine gel) Discontinuous SDS-PAGE (reduced) with 5% enrichment gel and 15% separation gel.



Based on the SEQUEST from database of Yeast host and target protein, the LC-MS/MS Analysis result of CSB-YP022603MO could indicate that this peptide derived from Yeast-expressed Mus musculus (Mouse) Spp1.



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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.