



Recombinant Mouse Cartilage oligomeric matrix protein (Comp)

Product Code	CSB-EP005778MO-B
Abbreviation	Comp
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.	Q9R0G6
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	>85% (SDS-PAGE)
Sequence	<p>Q GQIPLGGDLA PQMLRELQET NAALQDVREL LRQQVKEITF LKNTVMECDA CGMQPARTPG LSVRPVPLCA PGSCFPGVVC SETATGARCG PCPPGYTGNG SHCTDVNECN AHPCFPRVRC INTSPGFHCE ACPPGFSGPT HEGVGLTFAK SNKQVCTDIN ECETGQHNCV PNSVCVNTRG SFQCGPCQPG FVGDTSGCQ RRGQHFCPDG SPSPCHEKAN CVLERDGSRS CVCVAVGWAGN GLLCGRDSDL DGFPDEKLRC SERQCRKDNC VTVPNGQED VDRDGIGDAC DPDADGDGVP NEQDNCPLVR NPDQRNSDSD KWGDACDNCR SKKNDDQKDT DLDGRGDACD DDIDGDRIRN VADNCPVVPN FDQSDSDGDG VGDACDNCPQ KDNPDQRDVD HDFVGDACDS DQDQDGDGHQ DSRDNCPTVP NSAQQSDSDHD GKGDACDDDD DNDGVPDSRD NCRLVPNPGQ EDNDRDGVGD ACQGDFDADK VIDKIDVCPE NAEVTLTDFR AFQTVVLDPE GDAQIDPNWV VLNQGMEIVQ TMNSDPGLAV GYTAFNGVDF EGTFHVNTAT DDDYAGFIFG YQDSSSFYVV MWKQMEQTYW QANPFRAVAE PGIQLKAVKS STGPGEQLRN ALWHTGDTAS QVRLWWDPR NVGWKDKTSY RWFLQHRPQV GYIRVRFYEG PELVADSNVV LDTAMRGGRL GVFCFSQENI IWANLRYRCN DTIPEDYESH RLQRV</p>
Source	E.coli
Target Names	Comp
Protein Names	Recommended name: Cartilage oligomeric matrix protein Short name= COMP
Expression Region	20-755
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.
Protein Length	Full Length of Mature Protein
Target Details	This protein is a noncollagenous extracellular matrix (ECM) protein. It consists of five identical glycoprotein subunits, each with EGF-like and calcium-binding



(thrombospondin-like) domains. Oligomerization results from formation of a five-stranded coiled coil and disulfides. Binding to other ECM proteins such as collagen appears to depend on divalent cations. Mutations can cause the osteochondrodysplasias pseudochondroplasia (PSACH) and multiple epiphyseal dysplasia (MED).

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

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