



# Recombinant Mouse Cartilage oligomeric matrix protein (Comp)

<b>Product Code</b>	CSB-BP005778MO
<b>Abbreviation</b>	Comp
<b>Storage</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.
<b>Uniprot No.</b>	Q9R0G6
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Mus musculus (Mouse)
<b>Purity</b>	>85% (SDS-PAGE)
<b>Sequence</b>	Q GQIPLGGDLA PQMLRELQET NAALQDVREL LRQQVKEITF LKNTVMECDA CGMQPARTPG LSVRPVPLCA PGSCFPGVVC SETATGARCG PCPPGYTGNG SHCTDVNECN AHPCFPRVRC INTSPGFHCE ACPPGFSGPT HEGVGLTFAK SNKQVCTDIN ECETGQHNCV PNSVCVNTRG SFQCGPCQPG FVGDTSGCQ RRGQHFCPDG SPSPCHEKAN CVLERDGSRS CVCAGWAGN 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 QANPFRVAE PGIQLKAVKS STGPGEQLRN ALWHTGDTAS QVRLWLKDPN NVGWKDKTSY RWFLQHRPQV GYIRVRFYEG PELVADSNVV LDTAMRGGRL GVFCFSQENI IWANLRYRCN DTIPEDYESH RLQRV
<b>Source</b>	Baculovirus
<b>Target Names</b>	Comp
<b>Protein Names</b>	Recommended name: Cartilage oligomeric matrix protein Short name= COMP
<b>Expression Region</b>	20-755
<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>Target Details</b>	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).

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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.

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**Shelf Life**

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