



# Recombinant Bovine Growth/differentiation factor 6 (GDF6)

<b>Product Code</b>	CSB-BP009350BO
<b>Storage</b>	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
<b>Uniprot No.</b>	P55106
<b>Product Type</b>	Recombinant Protein
<b>Immunogen Species</b>	Bos taurus (Bovine)
<b>Purity</b>	≥85% (SDS-PAGE)
<b>Sequence</b>	TAFA SRHGKRHGKK SRLRCSKKPL HVNFKELGWD DWIIPLEYE AYHCEGVCDF PLRSHLEPTN HAIQTLMNS MDPGSTPPSC CVPTKLTPIIS ILYIDAGNNV VYNEYEEMVV ESCGCR
<b>Source</b>	Baculovirus
<b>Target Names</b>	GDF6
<b>Protein Names</b>	Recommended name: Growth/differentiation factor 6 Short name= GDF-6 Alternative name(s): Cartilage-derived morphogenetic protein 2 Short name= CDMP-2
<b>Expression Region</b>	317-436
<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 gene encodes a member of the bone morphogenetic protein (BMP) family and the TGF-beta superfamily of secreted signaling molecules. It is required for normal formation of some bones and joints in the limbs, skull, and axial skeleton. Mutations in this gene result in colobomata, which are congenital abnormalities in ocular development, and in Klippel-Feil syndrome (KFS), which is a congenital disorder of spinal segmentation.
<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.