



Recombinant Rat Bone morphogenetic protein 2 (Bmp2)

Product Code	CSB-EP002736RA
Storage	Store at -20°C, for extended storage, conserve at -20°C or -80°C.
Uniprot No.	P49001
Product Type	Recombinant Protein
Immunogen Species	Rattus norvegicus (Rat)
Purity	>85% (SDS-PAGE)
Sequence	Q AKHKQRKRLK SSCKRHPLYV DFSDVGWNDW IVAPPGYHAF YCHGECPFPL ADHLNSTNHA IVQTLVNSVN SKIPKACCVP TELSAISMLY LDENEKVVVK NYQDMVVEGC GCR
Source	E.coli
Target Names	Bmp2
Protein Names	Recommended name: Bone morphogenetic protein 2 Short name= BMP-2 Alternative name(s): Bone morphogenetic protein 2A Short name= BMP-2A
Expression Region	280-393
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 belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation.
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.