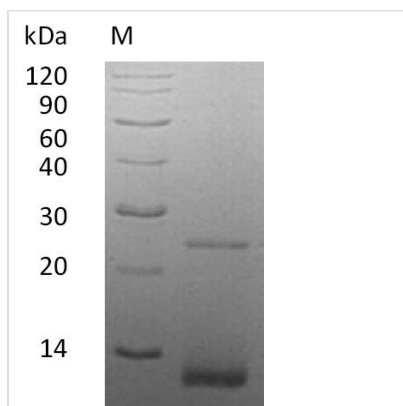




Recombinant Human Bone morphogenetic protein 2 (BMP2) (Active)

Product Code	CSB-AP003991HU
Uniprot No.	P12643
Form	Lyophilized powder
Storage Buffer	Lyophilized from a 0.2 μ m Filtered 10 mM NH ₄ -HAC, pH 4.0
Product Type	Growth Factor
Immunogen Species	Homo sapiens (Human)
Biological Activity	The ED ₅₀ as determined by the cytolysis of MC3T3-E1 cells is less than 2 μ g/ml
Purity	\geq 95% as determined by SDS-PAGE.
Sequence	QAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHAFYCHGECPFPL ADHLNSTNHAIVQTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVVVLKQYQD MVVEGCGCR
Research Area	Signal Transduction
Source	E.coli
Target Names	BMP2
Expression Region	283-396aa
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag-Free
Mol. Weight	13.3 kDa
Protein Length	Full Length of Mature Protein

Image



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

Endotoxin	Less than 1.0 EU/ μ g as determined by LAL method.
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.