

Human Recombinant proBMP2

ProBMP2 is the precursor of the bone morphogenetic protein 2. The protein is a member of the TGF β protein superfamily. Including the N-terminal methionine human recombinant proBMP2 consists of 378 amino acids. ProBMP2 has 3 intramolecular cystin bridges. Like the mature protein proBMP2 forms homodimers linked by an intermolecular disulfid bridge.

Protein
Source
Lot no.

human recombinant ProBMP2
E. coli

scil
proteins

Protein characteristics:

Molecular weight (dimer)
Theoretical pI
Absorption coefficient
Sequence (SwissProt AccNo)

85726 Da
9.11
78220 M⁻¹ · cm⁻¹
P12643

MGAAGLVPELGRRKFAAASSGRPSSQPSDEVLSEFELRLLSMFGLKQRPTPSRDAVVPPYMLDLYRRHSGQPGSPA
PDHRLERAASRANTVRSFHHHEESLEELPETSGKTTRRRFFNLSIPTTEEFITSAELQVFREQMQDALGNSSFHHRINI
YEIIPATANSKFPVTRLLDTRLVNQNASRWESFDVTPAVMRWTAQGHANHGFFVEVAHLEEKQGVSKRHVRISR
SLHQDEHSWSQIRPLLVTFGHDGKGPLHKREKRQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAPPGYHA
FYCHGECFPPLADHLNSTNHAIVQTLVNSVNSKIPKACCVPTELSAISMLYLDENEKVVLLKNYQDMVVEGCGCR

Product analysis:

Concentration
Purity
Endotoxins
Biological activity

Storage:

Buffer
Short term (< 5 weeks)
Long term (5 weeks - 1 year)

10 mM HCl pH 2
4°C
-20°C

It is recommended to spin down the protein and to prepare and store working aliquots.

This product is for *in vitro* research only. The toxicity has not been thoroughly investigated.