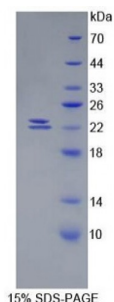
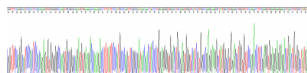


Mouse Bone Morphogenetic Protein 1 (BMP1) Protein

Catalogue No.: abx065557



SDS-PAGE analysis of recombinant Mouse BMP1 Protein.



Gene sequencing extract of Mouse BMP1.

Mouse Bone Morphogenetic Protein 1 (BMP1) is a recombinant Mouse protein produced in a Prokaryotic expression system (E. coli).

Target: Bone Morphogenetic Protein 1 (BMP1)

Origin: Mouse

Expression: Recombinant

Tested Applications: WB, SDS-PAGE

Host: E. coli

Conjugation: Unconjugated

Form: Lyophilized

Purity: > 97%

Reconstitution: To keep the original salt concentration, we recommend reconstituting to the original concentration prior to lyophilization (see Concentration) in ddH₂O. If a lower concentration is required, dilute in 20 mM Tris, 150 mM NaCl, pH 8.0. If a higher concentration is required, the product can be reconstituted directly in 20 mM Tris, 150 mM NaCl, pH 8.0, though please note that this will change the overall salt concentration. The stock concentration should be between 0.1-1.0 mg/ml. Do not vortex.

Datasheet

Version: 4.0.0
Revision date: 25 Jul 2024



Storage: Store at 2-8 °C for up to one month. Store at -80 °C for up to one year. Avoid repeated freeze/thaw cycles.

UniProt Primary AC: P98063 ([UniProt](#), [ExPASy](#))

KEGG: mmu:12153

String: [10090.ENSMUSP00000022693](#)

Molecular Weight: Calculated MW: 15.3 kDa
Observed MW (SDS-PAGE): 22/23 kDa
Possible reasons why the actual band size differs from the predicted band size:

1. Splice variants. Alternative splicing may create different sized proteins from the same gene.
2. Relative charge. The composition of amino acids may affect the charge of the protein.
3. Post-translational modification. Phosphorylation, glycosylation, methylation etc. may affect the band size.
4. Post-translational cleavage. Many proteins are synthesised as pro-proteins, and then cleaved to give the active form.
5. Polymerisation of the target protein. Dimerisation, multimerisation etc. will increase the band size observed.

Sequence Fragment: Gly856-Lys982

Sequence: GFQAS HSTECGGQVR ADVKTKDLYS HAQFGDNNYP GGVDCEWWIV AEEGYGVELV
FQTFEVEEET DCG
YDYIELF DGYDSTAPRL GRYCGSGPPE EVYSAGDSVL VKFHSDDTIS KKGFLHRYTS TK

Tag: N-terminal His tag

Buffer: Prior to lyophilization: 20 mM Tris, 150 mM NaCl, pH 8.0, containing 0.01% Sarcosyl, 5% Trehalose.

Activity: Not tested

Concentration: Prior to lyophilization: 150 µg/ml

Note: This product is for research use only.
Not for human consumption, cosmetic, therapeutic or diagnostic use.