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# Datasheet

## BMP2 (Human) Recombinant Protein

**Catalog Number:** P4376

**Regulation Status:** For research use only (RUO)

**Product Description:** Human BMP2 (P12643) recombinant protein expressed in *Escherichia coli*.

**Sequence:**
MQAKHKQRKRLKSSCKRHPLYVDFSDVGWNDWIVAP
PGYHAFYCHGECPFPLADHLNSTNHAIVQTLVNSVNS
KIPKACCVPTELSAISMLYLDENEKVVLKNYQDMVVEG
CGCR

**Host:** Escherichia coli

**Theoretical MW (kDa):** 26

**Applications:** Func, SDS-PAGE
(See our web site product page for detailed applications information)

**Protocols:** See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

**Form:** Lyophilized

**Preparation Method:** *Escherichia coli* expression system

**Endotoxin Level:** < 0.1 EU/ug

**Activity:** The activity is determined by the alkakine phosphatase activity in ATDC-5 cells. The expected $ED_{50}$ for this effect is 56-85 ng/mL.

**Storage Buffer:** Lyophilized from 10 mM sodium citrate, pH 3.0

**Storage Instruction:** Store at -20°C on dry atmosphere. After reconstitution with sterilized water, store at -20°C or lower.
Aliquot to avoid repeated freezing and thawing.

**Entrez GeneID:** 650

**Gene Symbol:** BMP2

**Gene Alias:** BMP2A

**Gene Summary:** The protein encoded by this gene belongs to the transforming growth factor-beta (TGFB) superfamily. The encoded protein acts as a disulfide-linked homodimer and induces bone and cartilage formation. [provided by RefSeq]