

rBMP-2

Recombinant Bone Morphogenetic Protein-2

BMP-2 (Bone Morphogenetic Protein-2) belongs to TGF- β superfamily and is secreted as a dimer. It was identified as an osteogenesis factor and has various functions, for example, control of chondrogenic differentiation, tissue formation, organogenesis and cell differentiation in embryonic development.

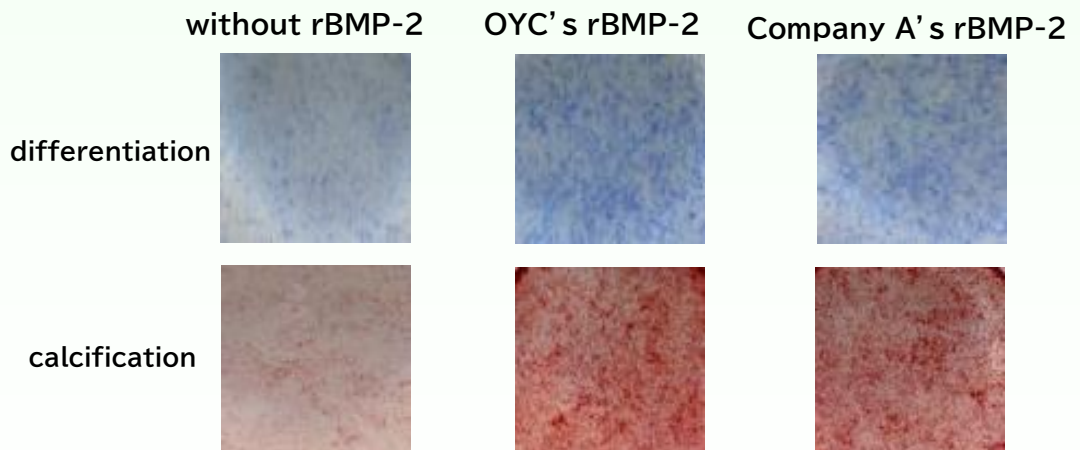
Specification

Recombinant BMP-2

Host	: <i>E.coli</i>
Origin	: Human
Molecular mass	: 26 kDa (homodimer)
Concentration	: 1 mg/mL (20 mM AcOH)
Purity	: $\geq 95\%$ (SDS-PAGE)
Endotoxin level	: ≤ 0.1 EU/ μ g
Storage	: Frozen, below -70°C

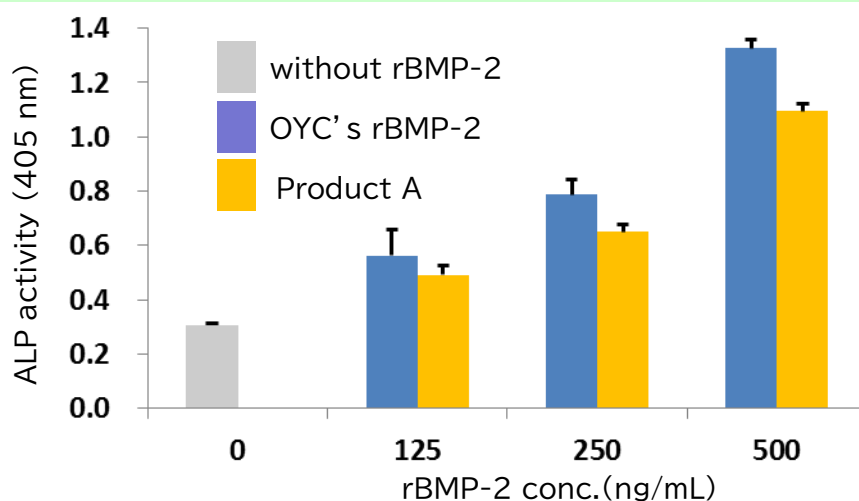
* Please avoid repeated freezing and thawing.

Alkaline phosphatase staining (top)
and Alizarin red staining (lower)
of MC3T3-E1 cells treated with BMP-2



MC3T3-E1 cells were cultured in 96 well plate for 24 hours, and then cells were further cultured with 100 ng/mL of rBMP-2. The cells were stained for ALP and with alizarin red for 1 and 3 weeks, respectively.

Support For Cell Culture OYC research reagents



MC3T3-E1 cells (1×10^4 /well) were cultured in 96-well plate for 24 hours, and then cells were further cultured with rBMP-2 for 3 days. The biological activity was measured in a ALP assay in the cells.

Item	Catalog number	Packing size
Recombinant BMP-2	47304000	20 µg

* For bulk inquiry, please contact us below.

* For research purposes only. Not for therapeutic or diagnostic use.

Related products

Item	Catalog number	Packing size
Recombinant human sRANKL	47187000	20 µg
TRAP solution Kit	47249000	500 test
W9 peptide	47010900	2 mg

References

1. Wozney, J. M. (1989). Prog Growth Factor Res, 1 (4):267-280
2. Luppen CA et al., (2003). J Bone Miner Res, 18 (7):1186-1197
3. Kishigami S, Mishina Y, (2005). Cytokine Growth Factor Rev, 16 (3):265-278.

Please contact the one that best suits your need.

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