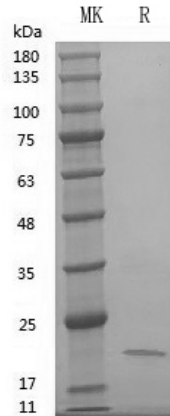


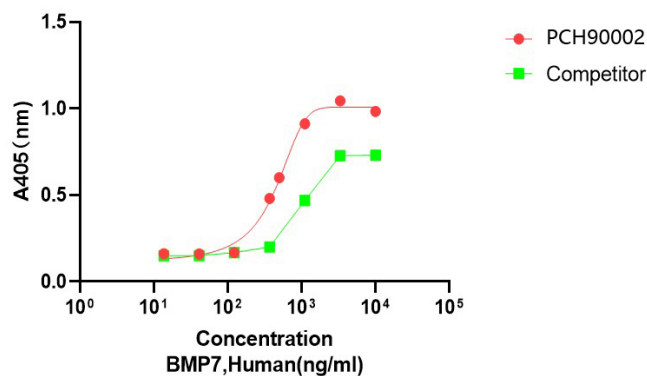
Summary

| | |
|------------------------------|---|
| Name | BMP-7 |
| Purity | Greater than 95% as determined by reducing SDS-PAGE |
| Endotoxin level | ≤10 EU/mg |
| Construction | Recombinant Human BMP-7 is produced by our Mammalian cell expression system and the target gene encoding Met316-His431 is expressed. |
| Accession # | P18075 |
| Tag | Tag free |
| Host | Mammalian cell |
| Species | Human |
| Predicted MW | 13.1 kDa |
| Form | Lyophilized |
| Buffer | PBS,pH 7.4 |
| Shipping | The product is shipped at ambient temperature. Upon receipt, store it immediately at the temperature listed below. |
| Stability&Storage | Store at ≤-70°C, stable for 6 months after receipt. Store at ≤-70°C, stable for 3 months under sterile conditions after opening. Please minimize freeze-thaw cycles. |
| Reconstitution | Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100µg/ml. Dissolve the lyophilized protein in distilled water. Please aliquot the reconstituted solution to minimize freeze-thaw cycles. |

SDS-PAGE image



Bioactivity image



The ED50 for this effect is 0.02-0.04 $\mu\text{g/ml}$.

Background

Alternative Names

Bone morphogenetic protein 7; BMP-7; Osteogenic protein 1 (OP-1); Eptotermin alfa; BMP7; OP1

References

Bone morphogenetic protein 7 (BMP7), also known as osteogenic protein-1 (OP-1) is a member of Transforming growth factor- β (TGF- β) family of proteins. Bone morphogenetic proteins were discovered in 1965 by Marshal Urist, of which BMP7 is of particular interest in this review being a leptin-independent anorexigen and having role in energy expenditure in the brown adipose tissue, which makes it a potential target for preventing/treating obesity. As it has been established that Obesity displays a state of leptin-resistance, thus a protein-like BMP7 which acts through a leptin-independent pathway could give new therapeutic directions.

Product Name: GMP Recombinant Human BMP-7
Catalog#: PCH90002



Note

For research use only .