

Recombinant Human BMP-7

Catalog Number : mly00601

Characteristics:

Source Chinese Hamster Ovary cell line
Human BMP-7 (Met316-His431)
Description Accession # P18075

Predicted molecular mass 13.1 kDa (monomer)

Specification:

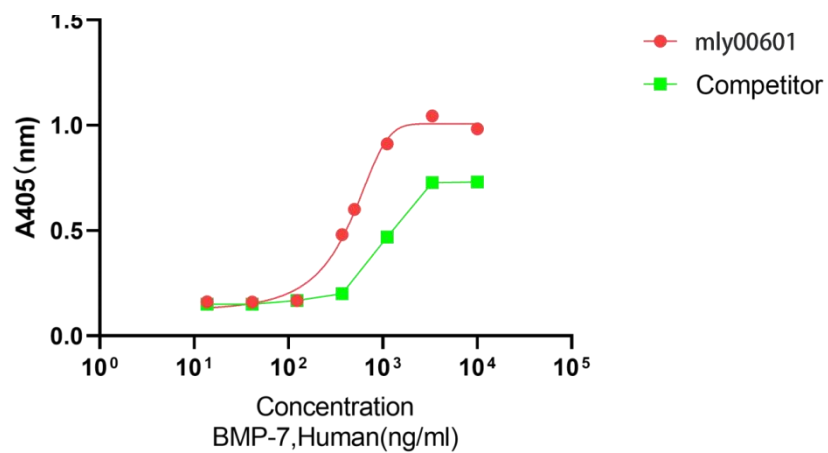
Appearance White powder, Colorless clear liquid after reconstitution
Purity ≥95%, by SDS-PAGE (under reducing (R) & Non-reducing conditions, visualized by Coomassie staining)
Endotoxin ≤10 EU/mg by the LAL method
Activity Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED₅₀ for this effect is 0.02-0.04 µg/ml.
Formulation Lyophilized from a 0.22 µm-filtered solution containing 0.085% TFA, 30% ACN, 5% mannitol
Size 50 µg/vial, 1 mg/vial

Handling and Storage:

Reconstitution It is recommended to redissolve in 4 mM HCl.
Shipping The product is shipped with blue ice.
Storage & Stability 36 months at -20°C to -80°C in lyophilized state
6 months at -20°C to -80°C under sterile conditions after reconstitution
7-10 days at 2°C to 8°C under sterile conditions after reconstitution
Use a manual defrost freezer and avoid repeated freeze-thaw cycles.

Data:

Bioactivity



Measured alkaline phosphatase production by ATDC-5 chondrogenic cells. The activity of mly00601 was higher than the other competing product.