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# Recombinant Human BMP-7

Catalog Number : mly00601

## Characteristics:

**Source** Chinese Hamster Ovary cell line  
**Description** Human BMP-7 (Met316-His431)  
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 ED<sub>50</sub> 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:

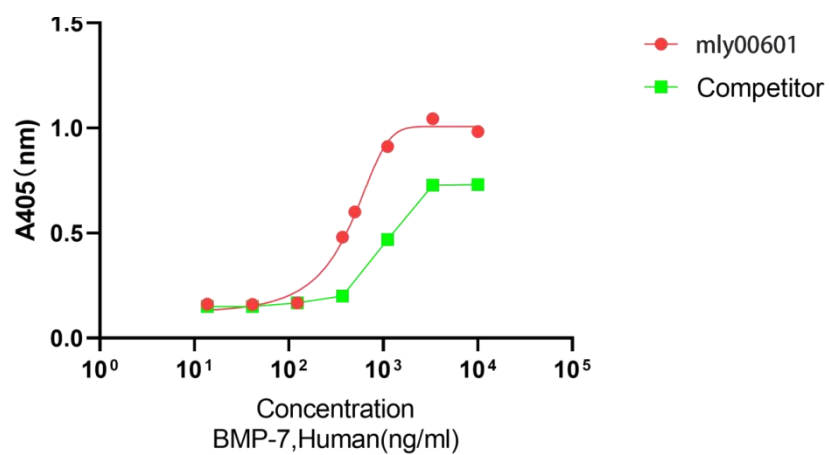
**Reconstitution** It is recommended to redissolve in 4 mM HCl.

**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.