

## Recombinant Human BMP-7 Protein

### 产品信息

产品名称	产品编号	规格
Recombinant Human BMP-7 Protein	92054ES10	10 µg
	92054ES50	50 µg

### 产品简介

BMP-7 is a member of the TGF- $\beta$  superfamily which is supposed to be one of the most potent anabolic factors of chondrocytes. The growth factor domain of human BMP-7 shares 98% aa sequence identity with mouse and rat BMP-7.

### 性能参数

<b>Synonyms</b>	BMP7, BMP-7, bone morphogenetic protein 7, Eptotermin alfa, OP-1,
<b>Uniprot No.</b>	P18075
<b>Source</b>	Human BMP-7 Protein is expressed from HEK293 without tag. It contains Met316-His431.
<b>Molecular Weight</b>	The protein has a predicted 13.1 kDa.
<b>Purity</b>	> 95% as determined by SDS-PAGE.
<b>Biological Activity</b>	Determined by its ability to induce alkaline phosphatase production by ATDC-5 cells. The expected ED50 for this effect is 20-40 ng/ml.
<b>Endotoxin</b>	< 1 0EU /mg of the protein by the LAL method.
<b>Formulation</b>	Lyophilized from a 0.22 µm filtered solution containing 0.085% TFA, 30% ACN,5% mannitol.
<b>Reconstitution</b>	Centrifuge the tube before opening. It is recommended to redissolve in 4 mM HCl.

### 储存条件

The product should be stored at -25~-15°C for 1 year from date of receipt.

2-7 days, 2~8 °C under sterile conditions after reconstitution.

3-6 months, -85~-65°C under sterile conditions after reconstitution.

Recommend to aliquot the protein into smaller quantities when first used and avoid repeated freeze-thaw cycles.

### 注意事项

1. Please operate with lab coats and disposable gloves, for your safety.
2. This product is for research use only.