

## Recombinant human Bone morphogenetic protein 7

Catalog No: #AP71896



Package Size: #AP71896-1 10ug #AP71896-2 200ug

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## Description

Product Name	Recombinant human Bone morphogenetic protein 7
Brief Description	Recombinant Protein
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:293-431aaSequence Info:Full Length
Other Names	Osteogenic protein 1 ;OP-1INN: Eptotermin alfa
Accession No.	P18075
Uniprot	P18075
GeneID	655;
Calculated MW	42.7 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	STGSKQRSQNRSKTPKNQEALRMANVAENSSSDQRQACKKHELYVSFRDLGWQDWIIAPEGYAAYYCEGEC AFPLNSYMNATNHAIVQTLVHFINPETVPKPCCAPTQLNAISVLYFDDSSNVILKKYRNMVVRACGCH
Formulation	Tris-based buffer50% glycerol
Storage	The shelf life is related to many factors, storage state, buffer ingredients, storage temperature and the stability of the protein itself.  Generally, the shelf life of liquid form is 6 months at -20°C,-80°C. The shelf life of lyophilized form is 12 months at -20°C,-80°C.Notes:Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.

## Background

Induces cartilage and bone formation. May be the osteoinductive factor responsible for the phenomenon of epithelial osteogenesis. Plays a role in calcium regulation and bone homeostasis.

## References

Expression and characterization of a human BMP-7 variant with improved biochemical properties.Swencki-Underwood B., Mills J.K., Vennarini J., Boakye K., Luo J., Pomerantz S., Cunningham M.R., Farrell F.X., Naso M.F., Amegadzie B.Protein Expr. Purif. 57:312-319(2008)Research Topic:Developmental Biology

Note: This product is for in vitro research use only