



BMP7, Recombinant, Human, aa293-431, GST-Tag (Bone Morphogenetic Protein 7)

Catalog number

372465

Supplier

United States Biological

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.

Source

Recombinant protein corresponding to aa293-431 from human BMP7, fused to GST-Tag at N-terminal, expressed in E. coli.

Molecular Weight

~42.7kD

Amino Acid Sequence

STGSKQRSQNRSKTPKNQEALRMANVAENSSSDQRQACKKHELYVSRDLGWQDWIIAPEGYAAAYYCEGECAFP
LSYMNATNHAIVQTLVHFINPETVPKPCCAPTQLNAISVLYFDDSSNVILKKYRNMVVRACGCH

Storage and Stability

May be stored at 4°C for short-term only. Aliquot to avoid repeated freezing and thawing. Store at -20°C. Aliquots are stable for 6 months after receipt at -20°C. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Further dilutions can be made in assay buffer.

Formulation

Supplied as a liquid in Tris-HCl, pH 8.0, 1mM EDTA, 50% glycerol.

Purity

≥90% (SDS-PAGE)

Grade

Purified

Storage

-20°C

MW

42.7

Antigen Modification

Recombinant, E. coli

Reference



1. 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).