

Recombinant Rat Osteocalcin(Bglap)

Catalog No: #AP70081

Package Size: #AP70081-1 20ug #AP70081-2 100ug #AP70081-3 1mg

Description

Product Name	Recombinant Rat Osteocalcin(Bglap)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:50-99aaSequence Info:Full Length
Other Names	Bone Gla protein ;BGPGamma-carboxyglutamic acid-containing protein
Accession No.	P04640
Calculated MW	32.6 kDa
Tag Info	N-terminal GST-tagged
Target Sequence	YLNGLGAPAPYPDPLEPHREVCELNPNCDELADHIGFQDAYKRIYGTTV
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

Constitutes 1-2% of the total bone protein. It binds strongly to apatite and calcium.

References

Structure of the rat osteocalcin gene and regulation of vitamin D-dependent expression.Lian J., Stewart C., Puchacz E., Mackowiak S., Shalhoub V., Collart D., Zambetti G., Stein G.Proc. Natl. Acad. Sci. U.S.A. 86:1143-1147(1989) Research Topic:Others

Note: This product is for in vitro research use only and is not intended for use in humans or animals.