

Recombinant Rat Fibroblast growth factor 23(Fgf23)

Catalog No: #AP70306

Package Size: #AP70306-1 20ug #AP70306-2 100ug #AP70306-3 1mg

Description

Product Name	Recombinant Rat Fibroblast growth factor 23(Fgf23)
Host Species	E.coli
Purification	Greater than 90% as determined by SDS-PAGE.
Immunogen Description	Expression Region:25-251aaSequence Info:Full Length
Accession No.	Q8VI82
Calculated MW	29.5 kDa
Tag Info	N-terminal 6xHis-tagged
Target Sequence	YSDTSPLLGSNWGSLTHLYTATARNsyHLQIHRDGHVDGTPHQTIYSALMITSEDAGSVVIIGAMTRRFLCMDL RGNIFGSYHFSPENCRFRQWTLengYDVYLSPKHHYLVSLGRSKRIFQPGTNPPFSQFLARRNEVP LLHFYT ARPRRHTRSAEDPPERDPLNVLKPRPRATPIPVSCSRELPSAEEGGPAASDPLGVLRGRGDARRGAGGTD RCRPFPRFV
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

Regulator of phosphate homeostasis . Inhibits renal tubular phosphate transport by reducing SLC34A1 levels . Regulator of vitamin-D metabolism . Negatively regulates osteoblasts differentiation and matrix mineralization . Acts directly on the parathyroid to decrease PTH secretion. Upregulates EGR1 expression in the presence of KL.

References

Rattus norvegicus fgf23.Itoh N.Klotho converts canonical FGF receptor into a specific receptor for FGF23.Urakawa I., Yamazaki Y., Shimada T., Iijima K., Hasegawa H., Okawa K., Fujita T., Fukumoto S., Yamashita T.Nature 444:770-774(2006) Research Topic:Others

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