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Product Datasheet

Recombinant Human ALPL (C-6His)
EBT-EPT087

Article Name	Recombinant Human ALPL (C-6His)
Biozol Catalog Number	EBT-EPT087
Supplier Catalog Number	EPT087
Alternative Catalog Number	EBT-EPT087-50
Manufacturer	ELK Biotechnology
Category	Proteine/Peptide
Product Description	Recombinant Human Alkaline Phosphatase, Tissue-Nonspecific Isozyme is produced by our Mammalian expression system and the target gene encoding Leu18-Ser502 is expressed with a 6His tag at the C-terminus....
Molecular Weight	Molecular weight: 54.4 KDa. Apparent molecular weight: 65-90 KDa, reducing conditions
UniProt	P05186
Purity	Greater than 95% as determined by reducing SDS-PAGE.

Application Notes	Endotoxin: Less than 0.1 ng/μg (1 EU/μg) as determined by LAL test. Background: Alkaline Phosphatase, Tissue-Nonspecific Isozyme (ALPL) is a cell membrane protein which belongs to the alkaline phosphatase family. There are at least four distinct but related alkaline phosphatases in humans: intestinal AP (IAP), placental AP(PLAP), germ cell AP (GCAP) and their genes are clustered on chromosome 2, tissue-nonspecific isozyme (TNAP) which gene is located on chromosome 1. Alkaline phosphatases (APs) are dimeric enzymes, it catalyze the hydrolysis of phosphomonoesters with release of inorganic phosphate. The native ALPL is a glycosylated homodimer attached to the membrane through a GPI-anchor. This isozyme may play a role in skeletal mineralization. Mutations in ALPL gene have been linked directly to different forms of hypophosphatasia,characterized by poorly mineralized cartilage and bones, and this disorder can vary depending on the specific mutation since this determines age of onset and severity of symptoms