

Product datasheet for **BA026**

Alkaline phosphatase / ALPI / IAP Bovine Protein

Product data:

Product Type:	Native Proteins
Description:	Alkaline phosphatase / ALPI / IAP bovine protein, 5 mg
Species:	Bovine
Protein Source:	Intestine
Concentration:	lot specific
Buffer:	State: Lyophilized purified protein. Buffer System: 70% Ammonium Sulphate.
Bioactivity:	Biological: Free of endonuclease, exonuclease and RNase activities. 1 unit liberates 1 μ mole of p-nitrophenol per minute at 37°C and pH 9.8 in DEA buffer. Activity is determined by measuring the increase in the optical density at 405 nm resulting from the hydrolysis of p-nitrophenyl phosphate. Specific: 4600 U/mg protein
Reconstitution Method:	Restore with sterile DI water or dilute buffer.
Preparation:	Lyophilized purified protein.
Applications:	ELISA.
Protein Description:	Purified AP from calf intestine.
Storage:	Store the protein undiluted at 2-8°C. DO NOT FREEZE!
Stability:	Shelf life: one year from despatch.
RefSeq:	NP_001622
Locus ID:	248
Cytogenetics:	2q37.1
Synonyms:	IAP



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Summary: There are at least four distinct but related alkaline phosphatases: intestinal, placental, placental-like, and liver/bone/kidney (tissue non-specific). The intestinal alkaline phosphatase gene encodes a digestive brush-border enzyme. This enzyme is a component of the gut mucosal defense system and is thought to function in the detoxification of lipopolysaccharide, and in the prevention of bacterial translocation in the gut. [provided by RefSeq, Dec 2014]

Protein Families: Druggable Genome

Protein Pathways: Folate biosynthesis, Metabolic pathways