Native Bovine PAEP Protein

Cat. No. PAEP-04B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A member of the lipocalin family, βLg is a small protein of 162 amino acids with a molecular mass of ~18,400 Da. It features an eight-stranded β-barrel (strands A-H) succeeded by a three-turn a-helix and a final β-strand (strand I) that forms part of the dimerization interface. Contains β-lactoglobulins A and B which can be isolated chromatographically. CAS Number: 9045-23-2 EC Number: 232-928-9 MDL number: MFCD00130635 NACRES: NA.61
Species	Bovine
Source	Milk
Description	Milk from dairy cows contains the protein β-lactoglobulin (BLG). It naturally occurs in a number of genetic variants, and the most prevalent bovine variants are BLG A and BLG B.
Form	Lyophilized powder
Molecular Mass	18.4 kDa
Purity	≥90% (PAGE)

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Applications	ELISA β-Lactoglobulin was used in a cytologic assay for diagnosis of food hypersensitivity in patients with irritable bowel syndrome.
Storage	2-8 centigrade.

GENE INFORMATION

Gene Name	PAEP progestagen-associated endometrial protein [Bos taurus (cattle)]
Official Symbol	PAEP
Synonyms	BLG; βLg; Bos d 5; beta-lactoglobulin; PAEP; progestagen-associated endometrial protein; LGB; beta-lactoglobulin; bLG C; beta lactoglobulin C; beta lactoglobulin D; beta-LG; lactoglobulin, beta
Gene ID	280838
mRNA Refseq	NM_173929
Protein Refseq	NP_776354
UniProt ID	P02754

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