

PLOD2 抗原（重组蛋白）

中文名称： PLOD2 抗原（重组蛋白）

英文名称： PLOD2 Antigen (Recombinant Protein)

别名： procollagen-lysine,2-oxoglutarate 5-dioxygenase 2; LH2; TLH; BRKS2

储存： 冷冻（-20℃）

相关类别： 抗原

概述：

Fusion protein corresponding to a region derived from 538-737 amino acids of human PLOD2

技术规格：

Full name:	procollagen-lysine,2-oxoglutarate 5-dioxygenase 2
Synonyms:	LH2; TLH; BRKS2
Swissprot:	O00469
Gene Accession:	BC037169
Purity:	>85%, as determined by Coomassie blue stained SDS-PAGE
Expression system:	Escherichia coli
Tags:	His tag C-Terminus, GST tag N-Terminus
Background:	The protein encoded by this gene is a membrane-bound homodimeric enzyme that is localized to the cisternae of the rough endoplasmic reticulum. The enzyme (cofactors iron and ascorbate) catalyzes the hydroxylation of lysyl residues in collagen-like peptides. The resultant hydroxylysyl groups are attachment sites for carbohydrates in collagen and thus are critical for the stability of intermolecular crosslinks. Some patients with Ehlers-Danlos syndrome type VIB have deficiencies in lysyl hydroxylase activity. Mutations in the coding region of this gene are associated with Bruck syndrome. Alternative splicing results in multiple transcript variants encoding different isoforms.

