Recombinant Mouse Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 (Plod2)

Product Code	CSB-MP886417MO
Abbreviation	Plod2
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.
Uniprot No.	Q9R0B9
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	VAEET PGRIPADKLL VITVATKEND GFHRFMNSAK YFNYTVKVLG QGQEWRGGDG MNSIGGGQKV RLLKEAMEHY ASQEDLVILF TECFDVVFAG GPEEVLKKFQ KTNHKIVFAA DGLLWPDKRL ADKYPVVHIG KRYLNSGGFI GYAPYISRLV QQWNLQDNDD DQLFYTKVYI DPLKREAFNI TLDHKCKIFQ ALNGATDEVV LKFENGKSRV KNTFYETLPV AINGNGPTKI LLNYFGNYVP NSWTQENGCA LCDVDTIDLS TVDVPPKVTL GVFIEQPTPF LPRFLNLLLT LDYPKEALQL FIHNKEVYHE KDIKVFVDKA KHDISSIKIV GPEENLSQAE ARNMGMDFCR QDEKCDYYFS VDADVVLTNP RTLKFLIEQN RKIIAPLVTR HGKLWSNFWG ALSPDGYYAR SEDYVDIVQG NRVGIWNVPY MANVYLIQGK TLRSEMNERN YFVRDKLDPD MALCRNARDM GVFMYISNRH EFGRLISTAN YNTSHLNNDF WQIFENPVDW KEKYINRDYS KIFTENIVEQ PCPDVFWFPI FSERACDELV EEMEHYGKWS GGKHHDSRIS GGYENVPTDD IHMKQIGLEN VWLHFIREFI APVTLKVFAG YYTKGFALLN FVVKYSPERQ RSLRPHHDAS TFTINIALNN VGEDFQGGGC KFLRYNCSIE SPRKGWSFMH PGRLTHLHEG LPVKNGTRYI AVSFIDP
Source	Mammalian cell
Target Names	Plod2
Protein Names	Recommended name: Procollagen-lysine,2-oxoglutarate 5-dioxygenase 2 EC= 1.14.11.4 Alternative name(s): Lysyl hydroxylase 2 Short name= LH2
Expression Region	26-737
Notes	Repeated freezing and thawing is not recommended. Store working aliquots at 4°C for up to one week.
Tag Info	Tag type will be determined during the manufacturing process.
Protein Length	Full Length of Mature Protein
Target Details	This protein 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.
Reconstitution	We recommend that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Please reconstitute protein in deionized sterile water to a concentration of 0.1-1.0 mg/mL.We recommend to add 5-50% of glycerol (final concentration) and aliquot for long-term storage at -20°C/-80°C. Our default final concentration of glycerol is 50%. Customers could use it as reference.
Shelf Life	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.