Recombinant Mouse Prolyl 4-hydroxylase subunit alpha-2 (P4ha2)

Product Code	CSB-YP717129MO
Abbreviation	P4ha2
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.	Q60716
Product Type	Recombinant Protein
Immunogen Species	Mus musculus (Mouse)
Purity	≥85% (SDS-PAGE)
Sequence	EFFTSIG HMTDLIYAEK DLVQSLKEYI LVEEAKLAKI KSWASKMEAL TSRSAADPEG YLAHPVNAYK LVKRLNTDWP ALGDLVLQDA SAGFVANLSV QRQFFPTDED ESGAARALMR LQDTYKLDPD TISRGELPGT KYQAMLSVDD CFGLGRSAYN EGDYYHTVLW MEQVLKQLDA GEEATVTKSL VLDYLSYAVF QLGDLHRAVE LTRRLLSLDP SHERAGGNLR YFERLLEEER GKSLSNQTDA GLATQENLYE RPTDYLPERD VYESLCRGEG VKLTPRRQKK LFCRYHHGNR VPQLLIAPFK EEDEWDSPHI VRYYDVMSDE EIERIKEIAK PKLARATVRD PKTGVLTVAS YRVSKSSWLE EDDDPVVARV NRRMQHITGL TVKTAELLQV ANYGMGGQYE PHFDFSRSDD EDAFKRLGTG NRVATFLNYM SDVEAGGATV FPDLGAAIWP KKGTAVFWYN LLRSGEGDYR TRHAACPVLV GCKWVSNKWF HERGQEFLRP CGTTEVD
Source	Yeast
Target Names	P4ha2
Protein Names	Recommended name: Prolyl 4-hydroxylase subunit alpha-2 Short name= 4-PH alpha-2 EC= 1.14.11.2 Alternative name(s): Procollagen-proline,2-oxoglutarate-4-dioxygenase subunit alpha-2
Expression Region	24-537
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 gene encodes a component of prolyl 4-hydroxylase, a key enzyme in collagen synthesis composed of two identical alpha subunits and two beta subunits. The encoded protein is one of several different types of alpha subunits and provides the major part of the catalytic site of the active enzyme. In collagen and related proteins, prolyl 4-hydroxylase catalyzes the formation of 4-hydroxyproline that is essential to the proper three-dimensional folding of newly

	synthesized procollagen chains. Alternatively spliced transcript variants encoding different isoforms have been described.
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.