



Recombinant Human Prolyl 3-hydroxylase 1 (LEPRE1)

Product Code	CSB-YP657676HU
Abbreviation	LEPRE1
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.	Q32P28
Product Type	Recombinant Protein
Immunogen Species	Homo sapiens (Human)
Purity	>85% (SDS-PAGE)
Sequence	EVESEAGW GMVTPDLLFA EGTAAYARGD WPGVVLSMER ALRSRAALRA LRLRCRTQCA ADFPWELDPD WSPSPAQASG AAALRDLSFF GLLRRAACL RRCLGPPAAH SLSEEMELEF RKRSPYNLQ VAYFKINKLE KAVAAAHTFF VGNPEHMEMQ QNLDYYQTMS GVKEADFKDL ETQPHMQEFR LGVRLYSEEQ PQEAVPHLEA ALQEYFVAYE ECRALCEGPY DYDGYNYLEY NADLFQAITD HYIQVLNCKQ NCVTELASHP SREKPFEDFL PSHYNYLQFA YYNIGNYTQA VECAKTYLLF FPNDEVMNQN LAYYAAMLGE EHTRSIGPRE SAKEYRQRSL LEKELFFAY DVFQIPFVDP DSWTPEEVIP KRLQEKQKSE RETAVRISQE IGNLMKEIET LVEEKTKESE DVSRLTREGG PLYYEGISLT MNSKLLNGSQ RVVMDGVISD HECQELQRLT NVAATSGDGY RGQTSPHTPN EKFYGVTVFK ALKLGQEGKV PLQSAHLYYN VTEKVRIME SYFRLDTPLY FSYSHLVCRT AIEEVQAERK DDSHPVHVDN CILNAETLVC VKEPPAYTFR DYSAILYLNG DFDGGNFYFT ELDAKVTAE VQPQCRAVG FSSGTENPHG VKAVTRGQRC AIALWFTLDP RHSERDRVQA DDLVKMLFSP EEMDLSQEQP LDAQQGPPEP AQESLSGSES KPKDEL
Source	Yeast
Target Names	P3H1
Protein Names	Recommended name: Prolyl 3-hydroxylase 1 EC= 1.14.11.7 Alternative name(s): Growth suppressor 1 Leucine- and proline-enriched proteoglycan 1 Short name= Leprecan-1
Expression Region	23-736
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 an enzyme that is a member of the collagen prolyl hydroxylase family. These enzymes are localized to the endoplasmic reticulum



and their activity is required for proper collagen synthesis and assembly. Mutations in this gene are associated with osteogenesis imperfecta type VIII. Two alternatively spliced transcript variants encoding different isoforms have been described. Other variants may exist, but their biological validity has not been determined.

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.