

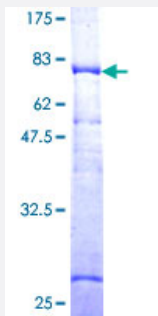
Full-Length

LEPRE1 (Human) Recombinant Protein (P01)

Catalog # H00064175-P01

Size 25 ug, 10 ug

Applications



Specification

Product Description

Human LEPRE1 full-length ORF (AAH15309, 1 a.a. - 390 a.a.) recombinant protein with GST-tag at N-terminal.

Sequence

MLGEEHTRSIGPRESAKEYRQRSLLKELLFFAYDVFVIPKRLQEKQKSER
ETAVRISQEIGNLMKEIETLVEEKTKESLDVSRLTREGGPLLYEGISLTMNSKLLNGSQRVMDGVI
SDHECQELQRLTNVAATSGDGYRGQTSPHTPNEKFYGVTVFKALKLGQEGKVPLQSAHLYYNVT
EKVRRIMESYFRLDTPLYFSYSHLVCRTAIEEVQAERKDDSHPVHVDNCILNAETLVCVKEPPAYT
FRDYSAILYLNGDFDGGNFYFTELDKTVTAEVQPQCGRVGFSSGTENPHGVKAVTRGQRCAIA
LWFTLDPRHSERDRVQADDLVKMLFSPEEMDLSQEQPLDAQQGPPEPAQESLSGSESKPKDE
L

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

68.53

Interspecies Antigen Sequence

Mouse (91); Rat (92)

Preparation Method

[in vitro wheat germ expression system](#)

Purification

Glutathione Sepharose 4 Fast Flow

Quality Control Testing

12.5% SDS-PAGE Stained with Coomassie Blue.

Storage Buffer	50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.
Storage Instruction	Store at -80°C. Aliquot to avoid repeated freezing and thawing.
Note	Best use within three months from the date of receipt of this protein.

Applications

- Enzyme-linked Immunoabsorbent Assay
- Western Blot (Recombinant protein)
- Antibody Production
- Protein Array

Gene Info — LEPRE1

Entrez GeneID	64175
GeneBank Accession#	BC015309.1
Protein Accession#	AAH15309
Gene Name	LEPRE1
Gene Alias	GROS1, MGC117314, P3H1
Gene Description	leucine proline-enriched proteoglycan (leprecan) 1
Omim ID	610339 610915
Gene Ontology	Hyperlink
Gene Summary	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. [provided by RefSeq]
Other Designations	OTTHUMP00000008736 growth suppressor 1 leprecan leprecan 1 prolyl 3-hydroxylase 1