

Product datasheet for PH322535

LEPRE1 (P3H1) (NM_022356) Human Mass Spec Standard

Product data:

Product Type:	Mass Spec Standards
Description:	LEPRE1 MS Standard C13 and N15-labeled recombinant protein (NP_071751)
Species:	Human
Expression Host:	HEK293
Expression cDNA Clone or AA Sequence:	RC222535
Predicted MW:	83.2 kDa
Protein Sequence:	>RC222535 representing NM_022356 Red=Cloning site Green=Tags(s)

MAVRALKLLTLLAVVAASQAEEVESEAGWGMVTPDLLFAEGTAAYARGDWPGVVLSEMERALRSRAALRALRLRCRTQCAADFPWELDPDWSPSPAQASGAAALRDL SFFGGLLRRAACLRRCLGPPAAHSLSEMELEFRKRSPYNYLQVAYFKINKLEKAVAAAHTFFVGNPEHMEMQQNLDYYQTMMSGVKEADFKDLETQPHMQEFR LGVRLYSEEQPQEAVPHLEAALQEYFVAYEECRALCEGPDYDGYNYLEYNADLFQAITDHYIQVLNCKQNCVTELASHPREKPFEDFLPSHYNYLQFAYYNIIGNYTQAVECAKTYLLFFPNDEVMNQNLAYYAAMLGE EHTRSIGPRESAKEYRQSLLEKELLFFAYDVFVGFVDPDSWTPPEEVIKRLQEKQSERETAVRISQEIGNLMKEIETLVEEKTKEISLDVSRITREGGPLLYEGISLTMNSKLLNGSQRVVMDGVI SDHECQELQRLT NVAATSGDGYRGQTSPHTPNEKFGVTVFKALKLGOEGKVP LQSAHLYYNVTEKVRRIIESYFRLDTPLYFSYSHLVCRTAIEEVQAERKDDSHPVHVDNCILNAETLVCVKEPPAYTFRDYSAILYLNDFDGGNFYFTELDAKTVTAEVQPQCGRVGFSSGTENPHGVKAVTRGQRCAIALWFTLDRHSERDRVQADDLVKMLFSP EEMDLSQEQLDAQQGPPEPAQESLSGSESKPKDEL

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Tag:	C-Myc/DDK
Purity:	> 80% as determined by SDS-PAGE and Coomassie blue staining
Concentration:	>0.05 µg/µL as determined by microplate BCA method
Labeling Method:	Labeled with [U- 13C6, 15N4]-L-Arginine and [U- 13C6, 15N2]-L-Lysine
Buffer:	25 mM Tris-HCl, 100 mM glycine, pH 7.3
Storage:	Store at -80°C. Avoid repeated freeze-thaw cycles.
Stability:	Stable for 3 months from receipt of products under proper storage and handling conditions.
RefSeq:	<u>NP_071751</u>



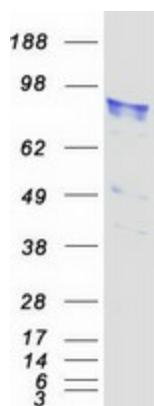
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RefSeq Size:	2993
RefSeq ORF:	2208
Synonyms:	GROS1; LEPRE1; OI8
Locus ID:	64175
UniProt ID:	Q32P28
Cytogenetics:	1p34.2

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. Three 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, Aug 2011]

Protein Families: Secreted Protein

Product images:



Coomassie blue staining of purified P3H1 protein (Cat# [TP322535]). The protein was produced from HEK293T cells transfected with P3H1 cDNA clone (Cat# [RC222535]) using MegaTran 2.0 (Cat# [TT210002]).