

Product datasheet for **SC331978**

LEPRE1 (P3H1) (NM_001243246) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LEPRE1 (P3H1) (NM_001243246) Human Untagged Clone
Tag:	Tag Free
Symbol:	LEPRE1
Synonyms:	GROS1; LEPRE1; OI8
Vector:	pCMV6-Entry (PS100001)



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Fully Sequenced ORF: >SC331978 representing NM_001243246.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGGCGGTACGCGGTTGAAGCTGCTGACCACACTGCTGGCTGTCGTGGCCGCTGCCTCCCAAGCCGAG
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Restriction Sites: Sgfl-Mlul

ACCN: NM_001243246

Insert Size: 2415 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

Components:	The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).
Reconstitution Method:	<ol style="list-style-type: none">1. Centrifuge at 5,000xg for 5min.2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.3. Close the tube and incubate for 10 minutes at room temperature.4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.
RefSeq:	NM_001243246.1
RefSeq Size:	3115 bp
RefSeq ORF:	2415 bp
Locus ID:	64175
UniProt ID:	Q32P28
Cytogenetics:	1p34.2
Protein Families:	Secreted Protein
MW:	90.6 kDa
Gene Summary:	<p>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]</p> <p>Transcript Variant: This variant (3) represents the longest transcript and encodes the longest isoform (3). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>