

## Product datasheet for **MR227127L4V**

### Phex (NM\_011077) Mouse Tagged ORF Clone Lentiviral Particle

#### Product data:

Product Type:	Lentiviral Particles
Product Name:	Phex (NM_011077) Mouse Tagged ORF Clone Lentiviral Particle
Symbol:	Phex
Synonyms:	Gy; HPDR; HPDR1; Hyp; PEX
Mammalian Cell Selection:	Puromycin
Vector:	pLenti-C-mGFP-P2A-Puro (PS100093)
Tag:	mGFP
ACCN:	NM_011077
ORF Size:	2247 bp
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(MR227127).
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. <a href="#">More info</a>
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
RefSeq:	<a href="#">NM_011077.2</a> , <a href="#">NP_035207.1</a>
RefSeq Size:	6265 bp
RefSeq ORF:	2250 bp
Locus ID:	18675
UniProt ID:	<a href="#">P70669</a>
Cytogenetics:	X 72.38 cM



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**Gene Summary:**

Peptidase that cleaves SIBLING (small integrin-binding ligand, N-linked glycoprotein)-derived ASARM peptides, thus regulating their biological activity (By similarity). Cleaves ASARM peptides between Ser and Glu or Asp residues (By similarity). Regulates osteogenic cell differentiation and bone mineralization through the cleavage of the MEPE-derived ASARM peptide (PubMed:11159866, PubMed:18597632, PubMed:26051469). Promotes dentin mineralization and renal phosphate reabsorption by cleaving DMP1- and MEPE-derived ASARM peptides (PubMed:26051469). Inhibits the cleavage of MEPE by CTSB/cathepsin B thus preventing MEPE degradation (By similarity).[UniProtKB/Swiss-Prot Function]