OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC334158

ERP27 (NM_001300784) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERP27 (NM_001300784) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERP27
Synonyms:	C12orf46; PDIA8
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

Fully Sequenced ORF:

>NCBI ORF sequence for NM_001300784, the custom clone sequence may differ by one or more nucleotides

ATGAAGGAGACTTGCCAGCTGGAAATACAGGTAGACAATGAACAACTGAATTTAGAGGACGAAGACATTG
AAAGCATTGATGCCACCAAATTGAGCCGTTTCATTGAGATCAACAGCCTCCACATGGTGACAGAGTACAA
CCCTGTGACTGTGATTGGGTTATTCAACAGCGTAATTCAGATTCATCTCCTCCTGATAATGAACAAGGCC
TCCCCAGAGTATGAAGAGAACATGCACAGATACCAGAAGGCAGCCAAGCTCTTCCAGGGGAAGATTCTCT
TTATTCTGGTGGACAGTGGTATGAAAGAAAATGGGAAGGTGATATCATTTTTCAAACTAAAGGAGTCTCA
ACTGCCAGCTTTGGCAATTTACCAGACTCTAGATGACGAGTGGGATACACTGCCCACAGCAGAAGTTTCC
GTAGAGCATGTGCAAAACTTTTGTGATGGATTCCTAAGTGGAAAATTGTTGAAAGAAAATCGTGAATCAG
AAGGAAAGACTCCAAAGGTGGAACTCTGA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001300784
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).

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Reconstitution Method:

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_001300784.1, NP_001287713.1

RefSeq Size: 1388 bp

RefSeq ORF: 519 bp

Locus ID: 121506

UniProt ID: Q96DN0

Cytogenetics: 12p12.3

Gene Summary: This gene encodes a noncatalytic member of the protein disulfide isomerase (PDI) family of endoplasmic reticulum (ER) proteins. The canonical protein has an N-terminal signal sequence, two thioredoxin (TRX)-like domains and a C-terminal ER-retention sequence. Alternative splicing results in multiple transcript variants encoding distinct isoforms; some of which lack domains present in the canonical protein. [provided by RefSeq, Dec 2016] Transcript Variant: This variant (2) represents use of an alternate promoter, and therefore differs in the 5' UTR and 5' coding region, compared to variant 1. These differences cause translation initiation at an alternate start codon and result in an isoform (2) that has a distinct N-terminus, and is shorter, compared to isoform 1. 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.