

Product datasheet for **SC128143**

ERP29 (NM_006817) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERP29 (NM_006817) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERP29
Synonyms:	C12orf8; ERp28; ERp31; HEL-S-107; PDI-DB; PDIA9
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_006817, the custom clone sequence may differ by one or more nucleotides

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ATGGCTGCCGCTGTGCCCGCGCCGATTTCTCTCCCCGCTGCTCCCCTTCTCCTGGGCTTCTGCTCC
TCTCCGCTCCGCATGGCGGCAGCGCCTGCACACCAAGGGCGCCCTTCCCCTGGATACGGTCACTTTCTA
CAAGGTCATTCCCAAAGCAAGTTCGTCTTGGTGAAGTTCGACACCCAGTACCCCTACGGTGAGAAGCAG
GATGAGTTCAAGCGTCTTGCTGAAAACCGCTTCCAGCGATGATCTCTTGGTGGCAGAGGTGGGGATCT
CAGATTATGGTGACAAGCTGAACATGGAGCTGAGTGAGAAATACAAGCTGGACAAAGAGAGCTACCCAGT
CTTCTACCTTCCGGGATGGGGACTTTGAGAACCAGTCCCATACACTGGGGCAGTTAAGGTTGGAGCC
ATCCAGCGCTGGCTGAAGGGCAAGGGTCTACCTAGGTATGCCGTTGCCTGTATACGACGCC
TGGCCGGGAGTTCATCAGGGCCTCTGGTGTGGAGGCCGCCAGGCCCTTTGAAGCAGGGCAAGATAA
CCTCTCAAGTGTGAAGGAGACTCAGAAGAAGTGGGCCGAGCAATACCTGAAGATCATGGGGAAGATCTTA
GACCAAGGGGAGGACTTCCCAGCATCAGAGATGACACGGATCGCCAGGCTGATTGAGAAGAACAAGATGA
GTGACGGGAAGAAGGAGGAGCTCCAGAAGAGCTTAAACATCCTGACTGCCTTCCAGAAGAAGGGGCCGA
GAAAGAGGAGCTGTAA
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5' Read Nucleotide Sequence:

>OriGene 5' read for NM_006817 unedited
 TTTGAACCACGACTTACTATAGNNGGCGGCCGCAATTCGGCACGAGGGGCTGCCGCTG
 TGCCCCGCGCCGATTTCTCTCCCCGCTGCTTCCCCTTCTCTGGGCTTCTGCTCCTCT
 CCGCTCCGCATGGCGGCAGCGCCTGCACACCAAGGGCGCCCTTCCCCTGGATACGGTCA
 CTTTCTACAAGGTCATTCCTCAAAAGCAAGTTCGTCTTGGTGAAGTTCGACACCCAGTACC
 CCTACGGTGAGAAGCAGGATGAGTTCAAGCGTCTTGTGAAAACCTCGGCTTCCAGCGATG
 ATCTCTTGGCGGCAGAGGTGGGATCTCAGATTATGGTGACAAGCTGAACATGGAGCTGA
 GTGAGAAAATACAAGCTGGACAAAAGAGAGCTACCCAGTCTTCTACCTTCCGGGATGGGG
 ACTTTGAGAACCAGTCCCATACACTGGGGCAGCTAAGGCTGGAGCCATCCAGCGCTGG
 CTGAAGGGGCAAGGGGTCTACCTAGGTATGCCTGGTTGCCTGCCTGTATACGACGCCCTG
 GCCGGGGAGTTCATCAGGGCCTTGGTGTGGAGGCCCGCCAGGCCCTTGAAGCAGGGG
 CAAGATAACCTCTCAAGTGTGAAGGAGACTCAGAAGAAGTGGGCCGAGCAATACCTGAAG
 ATCATGGGAAGATCTTACACCAAGGGAGGACTCCCAGCATCACAGATGACACGGATCG
 CCAGGCTGATTGAACAGACCAAGATGAGTGCACGGCACAAGGAGAGCTTCAAAGAGCT
 TAAACACCGACTGCCCCCAAAGAAAGGGCCGACAAAGAGAAGTGAAGAAAGCTGTTT
 GCGAATTTCCAGGTTTGTGCGGCAGGAGCGAAAAATACACCTGTCGCTGGAACCCCTT
 GTGAAN

3' Read Nucleotide Sequence:

>OriGene 3' read for NM_006817 unedited
 TACCTGGGAACTTTCAATTGATGAGGATTACATCTGTCAAANACCTGGGCAGTACACTCC
 TCTCTCTCTATAGCACTCATTCTTCTGAGGTGTCATTCCACCAGCCACCTGAGCAA
 GTGCTGCAGCTATGCCCAGGACCAGCTAGAGACATCCCAAGCATGGCCATGTCAGCATCA
 ATGTCCAGGCATACTGCAGGGCTCAGAATCGGGGTTAGTGCCACTTTTGGCACTGCCCC
 CTTATATTGCACAAGGGACTGACAGCCAGCAGGTGTAAGTGTGGCGTGCCTACCCCGACC
 AAACCCTGCAAAATGCACAGACAGGCTTTGTACAGGTGCTGTTTCTCGGCCCTTGTG
 TGAAGGCAGGCAGGTATGCTCAAGTCTTGTGGAGCTGCTGCTTCTTGGCGAGACTGAT
 GCTGGAGTTGTAATCACGCTGGCGATCCGTGTCATCTCTGATGCTGGGAAGCGCTGCC
 TTGGCCTAACATCTTGCCCATGATCTTGAAGCATTGCTCGGGCCACTTGTCTGAGTCTG
 CTCCACACTTGAGAGGCCATCTTGCCCCGCTTCAAGAGGGTCTGGCGGCCCTCCACACC
 ACAGGCCCTGATGAACTGCCCGCCAGGGCGTCCGATACAGGTAGGCAACCAGGCATAC
 CCTAGGCAGACCCCTTGCCCTTACAGCCACGGCCGGATGGGCTTATCCTTTAAACTGCC
 CAGTGCACGGGACCTGCGCCCGACAGTTCCCATTCGGGACAGCACCAGCCCGGGTA
 TCCCTCTCTGGCCAGCGTTGGATTCTAACTTAGCTCCCATGCTCAGCTTGTACACAT
 AATTTGCGATGCTCCCCTCTGGCACCCAAAGAACATGGCTCGATAGTCCGCGCTCCCCC
 AGGCAGCTGGACTTATCCCGCCCTCCACGGCCCGGGACTGTGTGTTGCACCTCACAAA
 ACAACTCGCTCTTGAAGGACCTCGCGAAAGTGGCCGCCCCAGGGCA

Restriction Sites:

NotI-NotI

ACCN:

NM_006817

Insert Size:

1400 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:

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_006817.2](#), [NP_006808.1](#)

RefSeq Size: 1472 bp

RefSeq ORF: 786 bp

Locus ID: 10961

UniProt ID: [P30040](#)

Cytogenetics: 12q24.13

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein which localizes to the lumen of the endoplasmic reticulum (ER). It is a member of the protein disulfide isomerase (PDI) protein family but lacks an active thioredoxin motif, suggesting that this protein does not function as a disulfide isomerase. The canonical protein dimerizes and is thought to play a role in the processing of secretory proteins within the ER. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Dec 2016]
Transcript Variant: This variant (1) represents the longer transcript and encodes the longer isoform (1).