

Product datasheet for **SC214354**

ERp57 (PDIA3) (NM_005313) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	ERp57 (PDIA3) (NM_005313) Human 3' UTR Clone
Symbol:	ERp57
Synonyms:	ER60; ERp57; ERp60; ERp61; GRP57; GRP58; HEL-S-93n; HEL-S-269; HsT17083; P58; PI-PLC
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_005313
Insert Size:	2000 bp



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Insert Sequence: >SC214354 3'UTR clone of NM_005313
 The sequence shown below is from the reference sequence of NM_005313. The complete sequence of this clone may contain minor differences, such as SNPs.
 Blue=Stop Codon Red=Cloning site

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GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
AAGAAGAAGAAGGCACAGGAGGATCTCTAAGCAGTAGCCAAACACCACTTTGTAAGGACTCTTCCA
TCAGAGATGGGAAAACCATTTGGGGAGGACTAGGACCCATATGGGAATTATTACCTCTCAGGGCCGAGAG
GACAGAATGGATAAATCTGAATCCTGTAAATTTTCTCTAAACTGTTTCTTAGCTGCACTGTTTATGG
AAATACCAGGACCAGTTTATGTTTGTGGTTTTGGGAAAAATTATTTGTGTGGGGGAAATGTTGTGGGG
GTGGGGTTGAGTTGGGGTATTTTCTAATTTTTTTGTACATTTGGAACAGTGACAATAATGAGACCC
CTTTAACTGTCTATTTTCCACCAGATTGAGAACCAGATGTTCTCTACACACTACTACTGTTCAATAG
AGCTTTCTTCAGTGATGGAAATGCTCTGTAATCTACACTGTTGAGTACAGGTAGCTACGGAGCATCTGA
AATATGGCTAGAACTACATTTTGTGTTTGTATTAAATTAATAGCCATACAGTTGCTACCATACTGGTC
ACGGCAGCTGTAGACTGACTGGGTCCATAGTTCATCACCTCAAAATTTCTTCAAAATTTATTATCTCTT
TCTCTCCTTACATGTTTATTTCCAGGCCCTACCCTGGTGATTAGAACAGCTGAAGGGCCTTTCTGTTA
GGCTGTCCATGCCCTAAGGATGGGTTCTGTTTATCCTTGCCACGCAGCTGAGCTTACTGCATGTTTAT
ATCTCCCAAGGACTGTTCTCTGCTCAGAAATGCCCTGTCAAGGGTGTGGCATCACGCAGTTTCATCCAA
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TGTAACAATGAGGAACAGAAAGGATAAGACTGAAGAGTGATCTTTTGTCCAATAAACCATTTATCTCC
TTTTGTAGGTAATTCAAATCCTGCCAGTTATAGTTTTTCAGTCACTGGAGAATCCAGGTAGGAGCCC
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TTAGCTGTCAATTTAAGATGAATTTGGTAGGCCCTTATAGTAAAGTATGTATCTTGGTACACACAAA
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AAGATTTAAGGAAACATATAAACTTGTACAAAGGACACAGAAGCAGTCAGTTTTAATTTTTTAGCCAT
GTTGGTAAAAGTTCATTTTCAGTACATGGGTAACACCCAGGCCCTTTCCATTATATCCAGGTATGCTA
CAAGTTCTTTAACTCTTATCAGAAGTTATTACTGTTTCTTAGAGAGGCTACCAGGCTAAAATTC
ACTTAGTTTGGTTGTCTAATGCCTCATTATTTTATCCTGAAGATGATGTCATTTCTCAGGACTTGAA
AATGACTTGGCTGAACTAAAGGTAAGGCAAGCCCTCTGCTACTTTTCTAGACTCCTAGGCACAGC
TATGGAGTCTTTGCACAGTGCCCATACCCTAAAAATTAATAATGAAAACCAAACCTCAAGAACCTAGAG
CAGCTCTACTTGGCCACCATGGACTCCAGTGGTCCAGCATAAGAAAAGCAGATAGTTGCATTCTATTTA
GTTTATAGCTGCTTTGTTCTTTGTGTTTCACTAAGCAGAGGCTCAAAAATTCCTTGATAACTTCAGC
TGCCCCTGTTCTTTTCTCAAACCCAGGATGAGACCTTAAATGTGGGACAATTTCTGGTGAAGGTAC
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA
CGAGATTCGATTCCACCGCCGCTTCTATGAAAGG
  
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Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: [NM_005313.5](#)

Summary:

This gene encodes a protein of the endoplasmic reticulum that interacts with lectin chaperones calreticulin and calnexin to modulate folding of newly synthesized glycoproteins. The protein was once thought to be a phospholipase; however, it has been demonstrated that the protein actually has protein disulfide isomerase activity. It is thought that complexes of lectins and this protein mediate protein folding by promoting formation of disulfide bonds in their glycoprotein substrates. This protein also functions as a molecular chaperone that prevents the formation of protein aggregates. [provided by RefSeq, Dec 2016]

Locus ID:

2923

MW:

75.5