

## Product datasheet for **SC323059**

### ERLEC1 (NM\_001127398) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	ERLEC1 (NM_001127398) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERLEC1
Synonyms:	C2orf30; CIM; CL24936; CL25084; HEL117; XTP3-B; XTP3TPB
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001127398, the custom clone sequence may differ by one or more nucleotides ATGGAGGAAGGAGGCGGCGGCGTACGGAGTCTGGTCCCGGGCGGGCCGGTGTACTGGTC CTCTGCGGCTCCTGGAGGCGTCCGGCGGCGGCGAGCCCTTCTCAACTCAGCGATGAC ATCCCTTTCCGAGTCAACTGGCCCGGCACCGAGTTCTCTCTGCCACAACGGAGTTTTA TATAAAGAAGATAATTATGTCATCATGACAACGCACATAAAGAAAAATATAATGCATA CTTCCCTTGTGACAAGTGGGATGAGGAAGAAGAAAAGGATTATAAAGGCCCTAATCCA AGAGAGCTTTTGGAGCCACTATTTAAACAAGCAGTTGTTCTACAGAATTGAGTCTTAT TGGACTTACGAAGTATGTCATGGAAAACACATTCGGCAGTACCATGAAGAGAAAGAACT GGTCAGAAAATAAATATTCACGAGTACTACCTTGGGAATATGTTGGCCAAGAACCTTCTA TTTGAAAAAGAACGAGAAGCAGAAGAAAAGGAAAAATCAAATGAGATTCCTCACTAAAAAT ATCGAAGGTCAGATGACACCATACTATCCTGTGGGAATGGGAAATGGTACACCTTGTAGT TTGAAACAGAACCGGCCAGATCAAGTACTGTGATGTACATATGTCATCCTGAATCTAAG CATGAAATTTCTTCAGTAGCTGAAGTTACAACCTGTGAATATGAAGTTGTCATTTTGACA CCACTCTGTGCAGTCATCCTAAATATAGGTTCCAGAGCATCTCCTGTGAATGACATATTT TGTCATCACTGCCAGGATCTCCATTTAAGCCCCTCACCTGAGGCAGCTGGAGCAGCAG GAAGAAATACTAAGGGTGCCTTTTAGGAGAAAATAAGAGGGTGTGCGTTGGTGGAAATAT GAATTCGCTATGGCAAACATGTACATCAATACCATGAGGACAAGGATAGTGGGAAAACC TCTGTGGTTGTGCGGACATGGAACCAAGAAGAGCATATTGAATGGGCTAAGAAGAATACT GCTAGAGCTTATCATCTTCAAGACGATGGTACCCAGACAGTCAGGATGGTGTACATTTT TATGGAAATGGAGATATTTGTGATATAACTGACAAACCAAGACAGGTGACTGTAAACTA AAGTGCAAAGAATCAGATTCACCTCATGCTGTTACTGTATATATGCTAGAGCCTCACTCC TGTCATATATTCTTGGGGTTGAATCTCCAGTGATCTGTAAAATCTTAGATACAGCAGAT GAAAATGGACTTCTTCTCTCCCAAC
Restriction Sites:	Please inquire
ACCN:	NM_001127398
Insert Size:	2443 bp



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<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u><a href="#">NM_001127398.1</a></u> , <u><a href="#">NP_001120870.1</a></u>
<b>RefSeq Size:</b>	2443 bp
<b>RefSeq ORF:</b>	1290 bp
<b>Locus ID:</b>	27248
<b>UniProt ID:</b>	<u><a href="#">Q96DZ1</a></u>
<b>Cytogenetics:</b>	2p16.2
<b>Protein Families:</b>	Secreted Protein
<b>Gene Summary:</b>	<p>This gene encodes a resident endoplasmic reticulum (ER) protein that functions in N-glycan recognition. This protein is thought to be involved in ER-associated degradation via its interaction with the membrane-associated ubiquitin ligase complex. It also functions as a regulator of multiple cellular stress-response pathways in a manner that promotes metastatic cell survival. Alternative splicing results in multiple transcript variants. A related pseudogene has been identified on chromosome 21. [provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (3) lacks an alternate in-frame exon in the central coding region, compared to variant 1, resulting in an isoform (3, also known as hXTP3-B-short) that is shorter than isoform 1.</p>