

Product datasheet for **SC108056**

ERLEC1 (NM_015701) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERLEC1 (NM_015701) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERLEC1
Synonyms:	C2orf30; CIM; CL24936; CL25084; HEL117; XTP3-B; XTP3TPB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015701, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGAAGGAGGCGGCGGCGTACGGAGTCTGGTCCCAGGCGGGCCGGTGTACTGGTCTCTGCGGCC
TCCTGGAGGCGTCCGCGGCGGCGGAGCCCTTCTCAACTCAGCGATGACATCCCTTTCCGAGTCAACTG
GCCCGGCACCGAGTTCTCTGCCCACAACCTGGAGTTTTATATAAAGAAGATAATTATGTCATCATGACA
ACTGCACATAAAGAAAAATATAATGCATACTTCCCTTGTGACAAGTGGGGATGAGGAAGAAGAAAAGG
ATTATAAAGGCCCTAATCCAAGAGAGCTTTGGAGCCACTATTTAAACAAAGCAGTTGTTCTACAGAAT
TGAGTCTTATTGGACTTACGAAGTATGTCATGGAAAACACATTCGGCAGTACCATGAAGAGAAAAGAACT
GGTCAGAAAATAAATATTCACGAGTACTACCTTGGGAATATGTTGGCCAAGAACCCTTCTATTTGAAAAAG
AACGAGAAGCAGAAGAAAAGGAAAAATCAAATGAGATTCCCACTAAAAATATCGAAGGTCAGATGACACC
ATACTATCCTGTGGGAATGGGAAATGGTACACCTTGTAGTTTGAACAGAACCAGCCAGATCAAGTACT
GTGATGTACATATGTCATCCTGAATCTAAGCATGAAATCTTTTCAAGTACTGAAAGTTACAACCTTGTGAAT
ATGAAGTTGTCATTTTGACACCACTCTTGTGCAGTCATCCTAAATATAGGTTTCAAGCATCTCCTGTGAA
TGACATATTTTGTCAATCACTGCCAGGATCTCCATTTAAGCCCTCACCTGAGGCAGCTGGAGCAGCAG
GAAGAAATACTAAGGGTGCCTTTTAGGAGAAAATAAGAGGAAGATTTGCAATCACTAAAGAAGAGAGAT
TTCCAGCGATCCACAAGTCGATTGCTATTGGCTCTCAGCCAGTGCTCACTGTTGGGACAACCCACATATC
CAAATGACAGATGACCAACTCATAAAGAGTTTCTTAGTGTCTTACTGCTTTCTGGGGGTGTCGGT
TGGTGGAAAATATGAATCTGCTATGGCAAACATGTACATCAATACCATGAGGACAAGGATAGTGGGAAAA
CCTCTGTGGTTGTGCGGACATGGAACCAAGAAGAGCATATTGAATGGGCTAAGAAGAATACTGCTAGAGC
TTATCATCTTCAAGACGATGGTACCCAGACAGTCAGGATGGTGTACATTTTTATGGAAATGGAGATATT
TGTGATAAAGTACAAACCAAGACAGGTGACTGTAAAAGTAAAGTGAAGAAGATCAGATTCACCTCATG
CTGTTACTGTATATGCTAGAGCCTCACTCTGTCAATATATTCTTGGGGTTGAATCTCCAGTGATCTG
TAAAATCTTAGATACAGCAGATGAAAATGGACTCTTTCTCTCCCAACTAA
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5' Read Nucleotide Sequence:	<p>>OriGene 5' read for NM_015701 unedited</p> <pre> TCACTATTTTGTAAACGAACTCACTATAGGGCGGCCGGAATTCGCACGAGGGGAGGTT GTGGCGGTGGCTGGAGAAAGCGGCGGCGGAGGATGGAGGAAGGAGGCGGCGGCGTACGGA GTCTGGTCCCAGGCGGCGGCGGTGTACTGGTCTCTGCGGCTCCTGGAGGCGTCCGCGG GCGGCCGAGCCCTTCTCAACTCAGCGATGACATCCCTTCCGAGTCAACTGGCCCGGCA CCGAGTTCTCTGCCCCAACAAGTGGAGTTTTATATAAAGAAGATAATTATGTCATCATGA CAACTGCACATAAAGAAAAATATAAATGCATACTTCCCCTTGTGACAAGTGGGGATGAGG AAGAAGAAAAGGATTATAAAGGCCCTAATCCAAGAGAGCTTTTGAGCCACTATTTAAAC AAAGCAGTTGTTCTACAGAATTGAGTCTTATTGACTTACGAAGTATGTCATGGAAAAAC ACATTCGGCAGTACCATGAAGAGAAAGAACTGGTCAGAAAAATAAATATTCACGAGTACT ACCTTGGGAATATGTTGGCCAAGAACCTTCTATTTGAAAAAGAACGAGAAGCAGAAGAAA AGGAAAAATCAAATGAGATTCCTCACTAAAAATATCGAAGGTCAGATGACACCATACTATC CTGTGGGAATGGGAAATGGTACACCTTGTAGTTTGAACAGAACCAGCCAGATCAAGTA CTGTGATGTACATATGTCATCCTGAATCTAAGCATGANATTCTTTCAGTAGCTGAAGTAC AACTTGTGATATGAAGTTGTCATTNTGACACCCTTGTGCAGTCATCCTAAATATANG NTCAGAGCATCTCTGTGAATGACANTATTTTGTATCACTGCCAGGATCTCCATTTAAG CCCCTCACCCCTGAGCAGCTGGAGCCCCAGGAAGAATACCTAGGGTGCCNTTNTTAGAGA ANTAAGNAGTG </pre>
3' Read Nucleotide Sequence:	<p>>OriGene 3' read for NM_015701 unedited</p> <pre> TCTATGGACCGGCGGCCGAATCTAGGATCGAGTTTTTTTTTTTTTTTTTTTGGCTTGGA CATTTTATTCACTTTAAAATAAATATTGTGCTGTAACTGTTTCAAGTAAATCCATAT TACAGTAGGCAAGTACAAGGGATAGACAGCACAGTGTGTTGTTAGAGTAAACCATTCTGA GTCTCAGAAGCATCACCCTGTCTACATCAGATAGATACTCTGAGAGTAAACATACTCA TAAGAAGAAAAAGTAATAGATAAAAGTCTGAGAGAGAAGCAACCTATTATAAATAAGA GTTTCTTGAGATTAACAAGGGTGAAGCAACTCCCATGTGAGCCTCTACCATGTGCCAG TTTCTAGTTTAACTACTTGCAGAGAGCAGTTGCTATATAAAAACTGTTGAAAGGATTC AGGTAAGAAATTTACATATTTTACATGGTCTCTCATTACACCTATCAATTTCTTTCTT CATGATCTTTACTTCACTAGCTACTTACATATACTATAATTTACATAATAAATCTATTAT TTAAAACTTTCAATAGGTACAACAATTATGACATTTGATTAGGCTGGACTCTAAGTTGC TTGGATGAGATTTATTTTGAATCACAGTATCCAAGCAAAGAAAAACAGTCAGTTTATAA GACACAACAAAAATGAAAAAAGCGAGACAAATGTCTGCCTCAGAAGTTTATCAATAACC TCTTATATACACATATGTATTCAAAAAGTGGTTGAGAGTCATTTTATACCATCCTTTAAA AGAGGTCCAATGGCTGAGAACTCTATATGAGACCAGTGGGACAGAAATATCATGACTTTC ATGATCCTTTCTCCCCCTACTTATATNNCTTATTAGGGAGAGAAGAAGTCATTTTCATCT GCGTATCTAGATTTACAGATACTGGAGATCACCCCCAGATTATGACAGGATGAG </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_015701
Insert Size:	2380 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_015701.2](#), [NP_056516.2](#)

RefSeq Size: 2412 bp

RefSeq ORF: 1452 bp

Locus ID: 27248

UniProt ID: [Q96DZ1](#)

Cytogenetics: 2p16.2

Protein Families: Secreted Protein

Gene Summary: 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]
Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1, also known as hXTP3-B-long).