

Product datasheet for SC323078

ERLEC1 (NM_001127397) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ERLEC1 (NM_001127397) Human Untagged Clone
Tag:	Tag Free
Symbol:	ERLEC1
Synonyms:	C2orf30; CIM; CL24936; CL25084; HEL117; XTP3-B; XTP3TPB
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC323078 representing NM_001127397. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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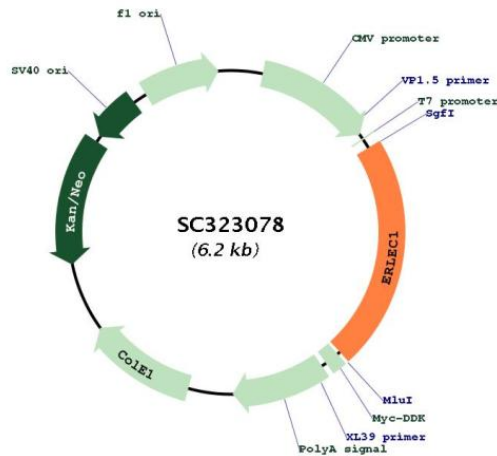
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TACAAGGATGACGACGATAAGGTTTAAACGGCCGCGC



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Restriction Sites: SgfI-MluI

Plasmid Map:



ACCN: NM_001127397

Insert Size: 1374 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).

OTI Annotation: 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.

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_001127397.2](#)

RefSeq Size: 2527 bp

RefSeq ORF: 1374 bp

Locus ID: 27248

UniProt ID: [Q96DZ1](#)

Cytogenetics: 2p16.2

Protein Families: Secreted Protein

MW: 51.9 kDa

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 (2) lacks an alternate in-frame exon in the 3' coding region, compared to variant 1, resulting in an isoform (2) that is shorter than isoform 1.