

## Product datasheet for **SC126555**

### CUZD1 (NM\_022034) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CUZD1 (NM_022034) Human Untagged Clone
Tag:	Tag Free
Symbol:	CUZD1
Synonyms:	ERG-1; ERG1; ITMAP1; UO-44
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL4</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene ORF within SC126555 sequence for NM\_022034 edited (data generated by NextGen Sequencing)

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ATGGAGCTTGTAAAGAAGGCTCATGCCATTGACCCTCTTAATTCTCTCCTGTTTGGCGGAG
CTGACAATGGCGGAGGCTGAAGGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTGCCAAT
ATGGCAGAGACCCACAAAGCCATGATCCTGCAACTCAATCCCAGTGAGAACTGCACCTGG
ACAATAGAAAAGACCAGAAAACAAAAGCATCAGAATTATCTTTTCCATGTCCAGCTTGAT
CCAGATGGAAGCTGTGAAAGTGAAAACATTAAGTCTTTGACGGAACCTCCAGCAATGGG
CCTCTGCTAGGGCAAGTCTGCAGTAAAAACGACTATGTTCTGTATTTGAATCATCATCC
AGTACATTGACGTTTCAAATAGTTACTGACTCAGCAAGAATTCAAAGAACTGCTTTGTG
TTCTACTACTTCTCTCTCCTAACATCTCTATTCCAAACTGTGGCGGTTACCTGGATACC
TTGGAAGGATCCTTACCAGCCCAATTACCCAAAGCCGCATCCTGAGCTGGCTTATTGT
GTGTGGCACATACAAGTGGAGAAAGATTACAAGATAAACTAACTTCAAAGAGATTTTC
CTAGAAAATAGACAACAGTGCAATTTGATTTTCTTGCCATCTATGATGGCCCTCCACC
AACTCTGGCCTGATTGGACAAGTCTGTGGCCGTGTGACTCCACCTTCGAATCGTCATCA
AACTCTGACTGTCGTGTTGTCTACAGATTATGCCAATTCTTACCGGGGATTTTCTGCT
TCCTACACCTCAATTTATGCAGAAAACATCAACACTACATCTTTAACTTGCTCTTCTGAC
AGGATGAGAGTTATTATAAGCAAATCCTACCTAGAGGCTTTTAACTCTAATGGGAATAAC
TTGCAACTAAAAGACCCAATTGCGAGACAAAATTATCAAATGTTGTGGAATTTTCTGTC
CCTCTTAATGGATGTGGTACAATCAGAAAAGGTAGAAGTCAGTCAATTACTTACACCAAT
ATAATCACCTTTTCTGCATCCTCAACTTCTGAAGTGATCACCCGTGAGAAAACACTCCAG
ATTATTGTGAAGTGTGAAATGGGACATAATTCTACAGTGGAGATAATATACATAACAGAA
GATGATGTAATACAAAGTCAAAATGCACTGGGCAATATAACACCAGCATGGCTCTTTTT
GAATCCAATTCATTTGAAAAGACTATACTTGAATCACCATATTATGTGGATTTGAACCAA
ACTCTTTTTGTTCAAGTTAGTCTGCACACCTCAGATCCAATTTGGTGGTGTCTTGAT
ACCTGTAGAGCCTCTCCACCTCTGACTTTGCATCTCCAACCTACGACCTAATCAAGAGT
GGATGTAGTGCAGATGAACTTGTAAAGGTGATCCCTTATTTGGACACTATGGGAGATTC
CAGTTTAAATGCCTTTAAATTTCTGAGAAGTATGAGCTCTGTGATCTGCAGTGTAAAGTT
TTGATATGTGATAGCAGTGACCACAGTCTCGTGCAATCAAGGTTGTGCTCCAGAAGC
AAACGAGACATTTCTTATATAAATGGAAAACAGATTCATCATAGGACCCATTCGTCTG
AAAAGGGATCGAAGTCAAGTGGCAATTCAGGATTTGAGCATGAAACACATGCGGAAGAA
ACTCCAAACCAGCCTTTCAACAGTGTGCATCTGTTTTCTTCATGTTTCTAGCTCTGAAT
GTGGTGACTGTAGCGACAATCACAGTGAGGCATTTTGTAAATCAACGGGCAGACTACAAA
TACCAGAAGCTGCAGAACTATTAA
    
```

Clone variation with respect to NM\_022034.5

**5' Read Nucleotide Sequence:** >OriGene 5' read for NM\_022034 unedited

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ATAGGGCGGCGCGAATTCGGCACGAGCGACGCTGGCGGTGGACGCAGGCNNATGGACCA
CGGTTGCTGGGCGGATGGGGAGCGTCTATGGTCAGTTGCCTTAGAAGTGGTGAGATGGGA
AGCTGCAGTTGGAAGACCCTGGAGGATGCCTGACAAGGGGATGTCTGACACATGATTGGA
GCTCTTTTTGAAATGTTTCTTGCCCTTCTGGAGCAGAGGAGCCATTATTTATGCAGAGC
TGCAAAGGAACCTGAAGCTGTGGCTGTAAAAATCACAACCCAGACAAGGTGTGGTGGGC
CAAGAACAGCCAGGCCAAAACCTTGCCACGGAGTCTTGTCTGCCCTGCAGTGTGTGA
ANGATATAGAATGTGTGCCAGTNTGATTCCTGCCACCTTGCTGTTGCGACATANATGA
GGGCTCTGAGTTANGAAAGGCTCCCTTCTCAAAGCAAGCCCTGAAGACTTCATGATGTC
ATGAGGCACCTGTTGTGATGTGCAGCCAAAAGAAGGCCAGCTCCCATCAGTTTATGGAAA
TACTAATGCCTGTGGAACCCCTGCGGAATCCCACCGAAGGTCCTTGGGGCAACCTTCCGA
AGGATTTGGGAAAGAACCTACTGGGGGATGCGATACCATTCAACGTGCTTTTTTCAACAA
TTACCTTTGTGGGGAATGAATTTCTGAGGGTCCAAACTATTAT
    
```

**Restriction Sites:** NotI-NotI  
**ACCN:** NM\_022034

<b>Insert Size:</b>	3200 bp
<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>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>	<a href="#">NM_022034.3</a> , <a href="#">NP_071317.2</a>
<b>RefSeq Size:</b>	2917 bp
<b>RefSeq ORF:</b>	1824 bp
<b>Locus ID:</b>	50624
<b>UniProt ID:</b>	<a href="#">Q86UP6</a>
<b>Cytogenetics:</b>	10q26.13
<b>Domains:</b>	zona_pellucida
<b>Protein Families:</b>	Transmembrane
<b>Gene Summary:</b>	CUZD1 antiserum inhibits cell attachment and proliferation of ovarian cancer cells so may be involved in these processes. May also play a role in the uterus during late pregnancy and/or in trypsin activation in pancreatic acinar cells.[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1), also known as UO-44D, represents the longer transcript and encodes the supported protein.