

Product datasheet for **RG224682**

CUZD1 (NM_022034) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CUZD1 (NM_022034) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CUZD1
Synonyms:	ERG-1; ERG1; ITMAP1; UO-44
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG224682 representing NM_022034
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**GCGATCGCC**

ATGGAGCTTGTAAGAAGGCTCATGCCATTGACCCTCTAATTCTCTCCTGTTTGGCGGAGCTGACAAATGG
 CGGAGGCTGAAGCAATGCAAGCTGCACAGTCAGTCTAGGGGGTCCCAATATGGCAGAGACCCACAAAGC
 CATGATCTGCAACTCAATCCCAGTGAGAACTGCACCTGGACAATAGAAAAGACCAGAAAAACAAAGCATC
 AGAATTATCTTTTCTATGTCCAGCTTGATCCAGATGGAAGCTGTGAAAGTGAAAACATTAAGTCTTTG
 ACGGAACCTCCAGCAATGGGCTCTGCTAGGGCAAGTCTGCAGTAAAAACGACTATGTTCTGTATTTGA
 ATCATCATCCAGTACATTGACGTTTCAAATAGTTACTGACTCAGCAAGAATTCAAAGAAGTGTCTTTGTC
 TTCTACTACTTCTCTCTCCTAACATCTCTATTCCAACTGTGGCGTTACCTGGATACCTTGAAGGAT
 CCTTACCAGCCCAATTACCCAAAGCCGCATCCTGAGCTGGCTTATTGTGTGGCACATAACAAGTGA
 GAAAGATTACAAGATAAACTAACTTCAAAGAGATTTTCTAGAAATAGACAAACAGTCAAATTTGAT
 TTTCTTGCCATCTATGATGGCCCTCCACCAACTCTGGCCTGATTGGACAAGTCTGTGGCGGTGACTC
 CCACCTTCGAATCGTCATCAAACCTCTGACTGTCGTGTTGTCTACAGATTATGCCAATCTTACCGGGG
 ATTTTCTGCTTCTACACCTCAATTTATGCAGAAAACCAACTACATCTTTAACTTGCTTCTCTGAC
 AGGATGAGAGTTATTATAAGCAAATCCTACCTAGAGGCTTTAACTCTAATGGGAATAACTTGCAACTAA
 AAGACCAACTTGAGACCAAAATATCAAATGTTGTGGAATTTTCTGTCCCTCTAATGGATGTGGTAC
 AATCAGAAAGGTAGAAGTCAATTAATTAACCAATATAATCACCTTTTCTGCATCCTCAACTTCT
 GAAGTGATCACCCGTGAGAAACAACCTCCAGATTATTGTGAAGTGTGAAATGGGACATAATTCTACAGTGG
 AGATAATACATAACAGAAGATGATGTAATACAAAGTCAAATGCACTGGGCAAAATATAACACCAGCAT
 GGCTCTTTTTGAATCCAATTCATTTGAAAAGACTATACTTGAATCACCATATTATGTGGATTGAAACCAA
 ACTCTTTTTGTTCAAGTTAGTCTGCACACCTCAGATCCAATTTGGTGGTGTCTTGTATACCTGTAGAG
 CCTCTCCACCTCTGACTTTGCATCTCCAACTACGACCTAATCAAGAGTGGATGTAGTCGAGATGAAAC
 TTGTAAGGTGATCCCTATTTGGACACTATGGGAGATTCCAGTTTAAATGCCTTTAAATCTTGAGAAGT
 ATGAGCTCTGTGTATCTGCAGTGTAAAGTTTGTATGTGATAGCAGTGACCACCAGTCTCGCTGCAATC
 AAGTTGTGTCTCCAGAAGCAAACGAGACATTTCTTATATAAATGGAAAACAGATTCCATCATAGGACC
 CATTCTGCTGAAAAGGGATCGAAGTGAAGTGGCAATTCAGGATTCAGCATGAAACACATGCGGAAGAA
 ACTCCAAACCAGCCTTTCAACAGTGTGCATCTGTTTTCCTTCATGTTTCTAGCTCTGAATGTGGTACTG
 TAGCGACAATCACAGTGAGGCATTTTGAATCAACGGGCAGACTACAAATACCAGAAGCTGCAGAACTA
 T

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG224682 representing NM_022034
 Red=Cloning site Green=Tags(s)

MELVRRMLPLTLLILSCLAELTMAEAEGNASCTVSLGGANMAETHKAMILQLNPSENCTWTIERPENKSI
 RIIFSYYQLDPDGSCSESENIKVFDGTSSNGPLLQVCSKNDYVPVFESSSTLTFQIVTDSARIQRTVVF
 FYYFFSPNISIPNCGYLDTLEGSFTSPNYPKHPPELAYCVWHIQVEKDYKIKLNFKEIFLEIDKQCKFD
 FLAIYDGPSTNSGLIGQVGRVPTFESSNSLTVVLSTDYANSYRGFSASYTSIYAENINTTSLTSSD
 RMRVVIISKSYLEAFNSNGNQLKDPTCRPKLSNVVEFSVPLNGCGTIRKVEDQSIYTNIIITFSASSTS
 EVITRQQLQIIVKCEMGNSTVEIYITEDDVIQSQUALGKYNTSMALFESNSFEKTILESPYYVDLNLQ
 TLFVQVSLHTSDPNLVFLDTCRASPTSDFASTYDLIKSGCSRDETCKVYPLFGHYGRFQFNAFKFLRS
 MSSVYLQCKVLICDSSDHSRCNQGCVSRKRDISSYKWKTDIIIGPIRLKRDRSASGNSGFQHETHAE
 TPNQPFNSVHLFSFMVLALNVVTVATITVRHFVNQRADYKYQKLQNY

TRTRPLE - GFP Tag - V

Restriction Sites:

Sgfl-MluI

Cloning Scheme:


ACCN: NM_022034

ORF Size: 1821 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_022034.6](#)

RefSeq Size: 2917 bp

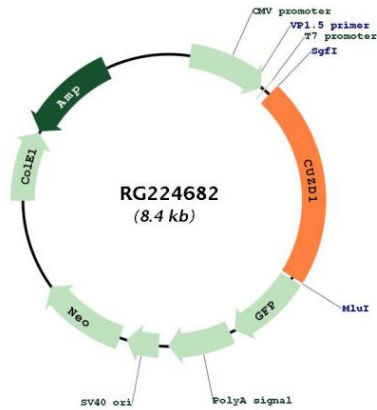
RefSeq ORF: 1824 bp

Locus ID: 50624

UniProt ID: [Q86UP6](#)

Cytogenetics: 10q26.13
Domains: zona_pellucida
Protein Families: Transmembrane
Gene Summary: 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]

Product images:



Circular map for RG224682