

Product datasheet for **RG215569**

UMODL1 (NM_001004416) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UMODL1 (NM_001004416) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UMODL1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG215569 representing NM_001004416 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGC**

ATGCTCAGGACCTCGGGGCTGGCACTGCTGGCTCTGGTCAGTGCTGTGGGCCCAAGCCAGGCCAGCGGCT
TCACAGAAAAAGGCTCTCCCTGTTGGGCTACCAGCTATGCAGCCACCGTGTGACCCACACTGTACAGAA
GGTGGAGGCCGTGCAGACGTCTACACGTCTATGTGCTCTGCGGCGGCTGGATCCCTGGAGGCGGTGC
CCTAAGATGGTTTACCGACACAGTACCTGGTAGTGGAGGTCCCGAGTCCAGGAACGTGACTGACTGCT
GTGAGGGCTATGAACAGCTCGGCCTCTACTGTGCTTGGCCCTGAATCAGTCCGGGCAGTTCAGTCAAG
ACCTGGGGCTGCCCCGAGAGGGGCTGAACCATCCACCTCCCTGACGCTTGACATCGACTGTCCT
GGACTTGAGAAGTGCTGCCCCTGGTCAGGGGGCGCTACTGCATGGCCCTGCACCCCAAGCTCCAGAGA
GGGACCCTGTGGGCTCCTGGTACAACGTCACCATACTGGTGAAAATGGACTTCAAGGAACTCCAGCAAGT
GGACCCAGGCTCCTGAACCACATGCGCCTTCTGCATTCTTGGTCACCAGCGCCTGCAACCAATGGCC
TCCACCGTCCACCACCTGCACTCAGCCCTGGGAACGCCTCCACCACAGTGTGCGGGCTGCTACTGGGCC
TGCCACGGCCACTGCCTGTGGCTGACGTCTCCACCCTGCTGGGTGACATTGCGAAGCGTGTCTATGAAGT
GATCAGCGTCCAGGTGCAAGATGTCAATGAGTGTTCATGAGGAGCTCAATGCCTGCTCTGGAAGGGAA
CTGTGCGCAAACCTGGAGGGCTCGTACTGGTGCCTGTGCACCAGGAAGTCCAGCCACGTCTCCACGGA
AGCTGAACCTGGAGTGGGAAGATTGTCTCCAGTCACTGACTACGTGGTCTCAACGTCAACAGTGACAG
TTTTCAAGTATCCTGGCGTTTAAATTCTACACAGAACCACACTTTCATGTCCGGGTTTACCGGGGTATG
GAGTTGCTCAGGAGCGCCAGGACACAGAGCCAGGCACTGGCAGTGGCTGGGCTGGAGGCTGGAGTGTCT
ACAGGGTGAAGACCAGCTACCAGGGGTGCGGGGCGACGTCTCCACCACGCTGACCATCAAAACCAATGC
CCAGGTATTTGAAGTACAATAAAGATTGTAAACCACAACCTGACGGAGAAGTTACTCAACCGCAGCAGT
GTGGAGTACCAGGACTTTTCTAGACAACGTCTTACGAGGTGAGAGCTCCTTCCACCAAGTGGTGTCTG
ACTTGTACCGAAGTGGGAAGCTGAGAATGCAGATCGTGTCTCTCCAGGCGGGAAGTGTGGTGTGAGGCT
CAAGCTCACCGTGCAGGACCCCGGTTTCCCATGGGCATCTCCAGCTGGCCCCATACTCCAGCCCTG
TTGGCAAGCACAGTGTTCAGATTGACCGGACAGGGGACACGCGTCAAGACTGGGACGAGTGTGTGGACA
GCGCGGAACACGACTGCTCACCGGCTGCCTGGTGCATCAACCTGGAGGGCTCTACACCTGCCAGTGCCG



[View online »](#)

TACCACCAGGGACGCCACCCCTCCCGCGCAGGCCGGCCTGTGAGGGTGACCTGGTGAGCCCCACGGGCGGTGGACTGTCTGCGGCAACAGGGGTAAACGGTCCCAGGTCTTGGCACGGGAACAGCAGCCCTCGGCCTAGAGAAGTTCACCTTGTACCCAGTCTGGGTACCTCAGGGCACCCGGCAGCAGGCCAGGCCTGGACCCAGAGCCCTCACCCAGAAGAGGGGCGAGCAATGTGGTCGGGTATGACAGGAACAACACAGGAAAAGGCGTGAGCAGGAGCTACAGGGAATCCATCATGGAGCCACCTCCTGGCCTTCCCCTACTGAGGACCCACCGGCCACTTCCTGTGGCATGCCACCCGTTCACCCGGGAACACTTCTGAATCCCACGTGGCTGCGAAATGAGACAGTGGACCCCTCCGTTCTGTAGACCTGCCATTGACCTCCACCTCACAGCTCTGAAGACCCCGCGGTGTGTTCCCTGTCTCCATTGGGAGGATCATGGTCTCCAATGTGACCAGCACCGGCTTCCACCTGGCATGGGAGGCGGATCTTGCTATGACTCCACCTCCAGCTCACTCTGACTTCCATGTGGAGCCCTGCTGTGTCCTAGAGACCTGGAACACGAGTGTGACACTGTGCGGGCTGGAGCCTGGGGTCTTGACCTGGTTGAGATCATGGCCAAAGCATGTGGGAAGAAGTGCCAGAGCTCATCTGAAAGTGAGGACAGCAGCCGGAAGCTCATTGAAAGGTGAGAATCAAAATGTCAGGTACTCAGAATCCTTTCGCAACGCAAGCAGCCAGGAGTATCGAGATTTCTAGAACTATTCTCAGGATGGTGGGGCTCCCTGCCAGCCACCATGTGTAGCAGATGGACGCTGGTGGGGTCAGGATGGAAGTCGTAGCGTCACCAACGGCAGCATCGTGGTGGAGTTTCACTTGCTGATAATCGCAGATGTGGATGTCCAGGAGGTGTAGCTGCAATTTTCACCGCCTTCCAGACCGTGCCTCTGCTGGAAGTGATCAGAGGCGACACCTTCATACAGGATTACGATGAGTGTGAAAGGAAGGAGGACGACTGTGTGCCGGGACATCCTGTGCAACACCCCTCGGGTCTTCACTTGTAGCTGCGAGGGAGGAGCCCCGACTTCCCTGTGGAATATTCTGAGAGACCTGTGAAGGTGACTCTCCTGGCAATGAAACCTGGGCCACAGCCAGAGAGGCCTCTCACCACAGCAGGGACCAAGGTCGCTTGTGCAAGGCACAGCCCCACCCCAAGGCCTGCCCAGCGGTGAACCTGACCGGAGCAGTACGGGTGCTCTGTGAGATCGAGAAGGTGGTTGTCGCCATCCAGAGCGCTTCCTGCAGCAGGAATCCATCCCGAGTCTCGTTGTACCTCAGCCACCCCTCCTGCAACGTGAGCCACAGCAATGGCACACACGTGCTCCTGGAGGCCGGCTGGAGCGAGTGTGGGACCCTCATGCAGAGCAACATGACGAACACCGTGGTGAGGACCAGCTGAGGAACGACCTGTCCAGGAGGGCATCATCCACACCTGAGATCCTGAGCCCCATCTACTGCGCCTTCCAGAATGACCTGCTGACATCCTCCGGCTTCAACCTGGAGTGGGGTTTACACCATCATCGAGGACCTCCACGGCGCTGGGAATTTTGTACCGAAATGCAGTTGTTTATCGGAGACTCTCCCATACCTCAGAATTATAGCGTGTCTGCCAGTGACGATGTGAGGATCGAAGTGGGCTCTACAGGCAGAAAAGCAACCTCAAGGTGGTCTGACGGAGTGTGGGCAACCCCGTCTAGCAACGCCGGGACCCATCACCTTCAGCTTCATTAACAACAGTGCCTGTGCCAACACATACCAACAGTGATTGAGAACGGCAACTCCAATAAGGCCAGTTCAAGCTGAGGATCTTTTCTTTATCAACGACTCCATCGTCTACCTGCACTGCAAACTCCGCTCTGCATGGAATCCCCGGAGCCAGTGCAAAATCAATTGCAATAACTTTTCGGTTGCTGCAAAATAGTGAAACCTCTGCCACACACCAGATGTCTGGGACCCCTCATCCGGTCTGAAGGTGAGCCTCCTCATGCAGAAGCAGGCCTGGGTGCCGTTATGTGGTCCTATTGTGGTGGCCATCTTCGTGCTGGTGGCGGGAACAGCCACCTTCTGATCGTGCGCTACCAGAGAATGAATGGGAGATACAACCTTTAAATCCAGTCCAACAACCTTCAGTACCAGGTGTTCTACGAA

AGCGGACCGACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence: >RG215569 representing NM_001004416
 Red=Cloning site Green=Tags(s)

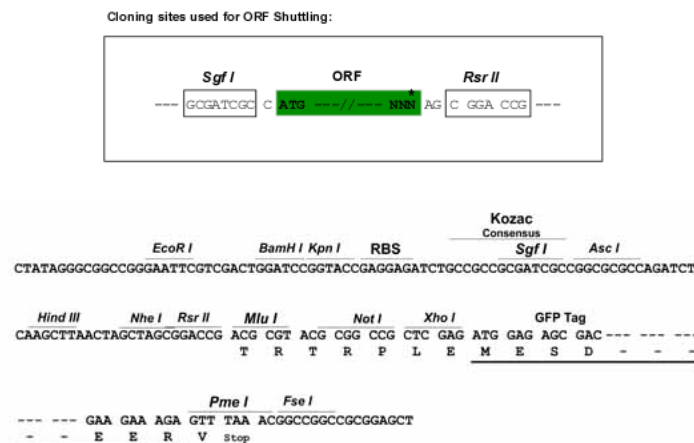
```

MLRTSGLALLALVSAVGPSQASGFTEKGLSLLGYQLCSHRVTHTVQKVEAVQTSYTSYVSCGGWIPWRR
PKMYYRTQYLVEVPESRNVTDCEGEYQLGLYCVLPLNQSGQTSRPGACPAEGPEPSTSPCSLDIDCP
GLEKCCPWSSGGRYCMAPAPQAPERDPVGSWYNVTILVKMDFKELQQVDPRLLNHMRLHSLVTSALQPM
STVHHLHSAPGNASTTVSRLLGLPRPLPVADVSTLLGDIKRVEVISVQVQDVNECFYEELNACSGRE
LCANLEGSYWCVCHQEAPATSPRKLNLWEDECPVSDYVVLNVTSDSFQVSWRLNSTQNHTFHVRVYRGM
ELLRSARTQSQUALAVAGLEAGVLYRVKTSYQGGADVSTTLTIKTNAQVFVETIKIVNHNLTEKLLNRSS
VEYQDFSRQLLHEVESSFPVVSPLYRSGKLRMQIVSLQAGSVVRLKLTVDPGFPMGISTLAPILQPL
LASTVFQIDRQGRVQDWECDVSAEHDCSPAAWCINLEGSYTCQCRTRDATPSRAGRACEGDLVSPTG
GGLSATGVTVPGLGTGAALGLENFTLSPSPGYPGTAAAGQAWTPEPSRRGGSNVVGYDRNNTGKGV
EQELQGNISIMEPPSWPSPTEDPTGHFLWHATRSTRETLNPTWLRNEDSGPSGSVDLPLTSTLTALKTPA
CVPVSI GRIMSVNTSTGFHLAWEADLAMDSTFQLT L TSMWSPAVVLETWNTSVTL SGLEPGVLHLVEIM
AKACGKEGARHLKVRTAARKLIGKVRIKNVRYSESFRNASSQEYRDFLELFFRMVVRGSLPATMCQHMDA
GGVRMEVSVVTNGSIVVEFHLLIIADVDVQEVSAAFLTAFTQVPLLEVIRGDTFIQDYDECERKEDDCVP
GTSCRNTLGSFTCSCEGGAPDFPVEYSERPCEGDSPGNETWATSPERPLTTAGTKAAFVQGTSPTPQGLP
QRLNLTGAVRVLCEIEKVVAIQKRFLLQESIPESLYL SHPCSNVSHSNGTHVLL EAGWSECGTLMQSN
MTNTVVRTTLRNDLSQEGIIHHLKILSPIYCAFNQDL TSSGFTLEWGVYTIIEDLHGAGNFVTEMQLFI
GDSPIPQNYSVSASDDVRIEVLGRQKSNLKVLT ECVATPSSNARDPITFSFINNSCPVPNTYTNVIEN
GNSNKAQFKLRIFSFINDSIVYLHCKLRVCMESPGATCKINCNNFRLQNSSETSATHQMSWGPLIRSEGE
PPHAEAGLGAGYVVLIVVAIFVLVAGTATLLIVRYQRMNGRYNFKIQSNNSYQVFYE
  
```

SGPTRRRLE – GFP Tag – V

Restriction Sites: SgfI-RsrII

Cloning Scheme:

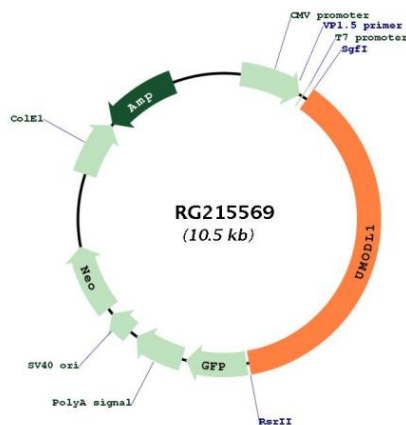


ACCN: NM_001004416

ORF Size: 3954 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:	<u>NM_001004416.2, NP_001004416.2</u>
RefSeq Size:	4878 bp
RefSeq ORF:	3957 bp
Locus ID:	89766
UniProt ID:	<u>Q5DID0</u>
Cytogenetics:	21q22.3
Protein Families:	Transmembrane

Product images:



Circular map for RG215569