

Product datasheet for **RG202402**

UBIAD1 (NM_013319) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UBIAD1 (NM_013319) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	UBIAD1
Synonyms:	SCCD; TERE1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG202402 representing NM_013319 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTCTCAGGTCTGGGGGAGAAGATTAACATCCTGTCGGGAGAGACTGTCAAAGCTGGGGACA
GGGACCCGCTGGGAACGACTGTCCCGAGCAAGATAGGCTCCCCAGCGCTCCTGGAGGCAGAAGTGTGC
CTCCTACGTGTTGGCCCTGAGGCCCTGGAGCTTCACTGCCTCACTCACACCGGTGGCCCTGGCAGTGCC
CTTGCCTACAGATCCCACGGTGTCTGGATCCCAGGCTTTGGTGGGTTGTGCCGTGGCTGTCTGGCTG
TGCACGGGGCCGTAATTTGGTCAACACTTACTATGACTTTTCCAAGGGCATTGACCACAAAAGAGTGA
TGACAGGACACTTGTGGACCGAATCTTGGAGCCGAGGATGTCGTCGGTTCGGAGTCTTCTCTACACG
TTGGGCTGCGTCTGTGCCGCTTGCTCTACTACCTGTCCCTCTGAAACTGGAGCACTTGGCTCTTATCT
ACTTTGGAGGCCCTGTCTGGCTCCTTTCTCTACACAGGAGGAATTGGATTCAAGTACGTGGCTCTGGGAGA
CCTCATCATCCTCATCACTTTTGGCCCGCTGGCTGTGATGTTGCGCTACGCCATCCAGGTGGGGTCCCTG
GCCATCTTCCACTGGTCTATGCCATCCCCCTCGCCCTCAGCACCAGGCCATTCTCCATTCCAACAACA
CCAGGGACATGGAGTCCGACCGGGAGGCTGGTATCGTCACGCTGGCCATCCTCATCGGCCACACTGCACC
CTACATTCTACAACACTGCTTCTGCCCCTACCTGGTCTTCAGCATCCTGGCCACACTGCACC
ATCAGCCTGGCACTCCCCCTGCTTACCATTCCCATGGCCTTCTCCCTTGAGAGACAGTTTGAAGCCAGG
CCTTCAACAAACTGCCCCAGAGGACTGCCAAGCTCAACCTCCTGCTGGGACTTTTCTATGCTTTTGGCAT
CATTCTGGCACCAGCAGGCACTGCCCCAAATT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

Protein Sequence: >RG202402 representing NM_013319
Red=Cloning site Green=Tags(s)

MAASQVLGEKINILSGETVKAGDRDPLGNDCPEQDRLPQRSWRQKASYVLALRPWSFSASLTPVALGSA
 LAYRSHGVLDPRLLVGCAVAVLAVHGAGNLVNTYYDFSKGIDHKKSDRDLVDRILEPQDVVRFVFLYT
 LGCVCAACLYL SPLKLEHLAL IYFGGLSGSFLYTGIGFKYVALGDLIILITFGPLAVMFAYAIQVGS
 AIFPLVYAIPLALSTEAILHSNTRDMESDREAGIVTLAILIGPTFSYILYNTLLFLPYLVFSILATHCT
 ISLALPLLTIPMAFSLERQFRSQAFNKL PRTAKLNL LLLGLFYVFGIILAPAGSLPKI

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_013319

ORF Size: 1014 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_013319.3](#)

RefSeq Size: 1520 bp

RefSeq ORF: 1017 bp

Locus ID: 29914

UniProt ID: [Q9Y5Z9](#)

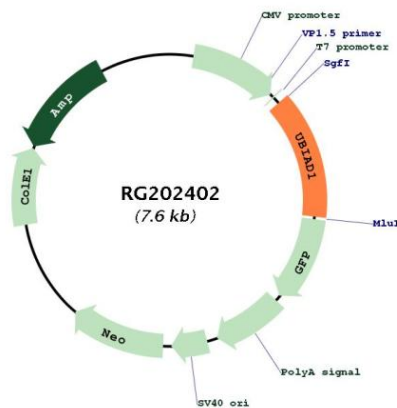
Cytogenetics: 1p36.22

Domains: UbiA

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein thought to be involved in cholesterol and phospholipid metabolism. Mutations in this gene are associated with Schnyder crystalline corneal dystrophy. [provided by RefSeq, Oct 2008]

Product images:



Circular map for RG202402