

## Product datasheet for **RC205756**

### UTP25 (NM\_014388) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	UTP25 (NM_014388) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	UTP25
Synonyms:	C1orf107; DEF; DIEXF; DJ434O14.5
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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**ORF Nucleotide  
Sequence:**

>RC205756 ORF sequence  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGGATCGCC**

ATGGGCAAACCGGGAGCCGGAGCCAGAGCCAGCTACTCAACACCCTAACTAAAAAGCAGAAGAACATC  
 TTCGAGATTTTCGGCGAGGAGCATCCCTTCTATGACAGGGTTCCAGAAAGGAAGCAAAGCCACAGATTTG  
 TCAGCTGTCAGAGAGTTCAGATTCTTCAGATTCTGAAAGCGACTCAGAGAGTGAACCACAACAAGTTTCT  
 GGCTACCACAGACTACTTGTACATTAAGAATGTTTCTGAGGAAGAAGAGGAAGATGAGGAGGAGGAAG  
 AGGAAGAAGACAGTATTGTAGATGATGCAGAAATGAACGATGAAGATGGTGGTAGCGATGTCAGTGTGGA  
 AGAAGAGATGGCTGCAGAGTCTACTGAAAGTCCAGAGAATGTAGCTTTATCTGCTGACCCGTAGGGAAAA  
 GAAGATGGGGAAGAGCCACCGGGCACATCACAACATCCCCGAAGAGTTCACAGATGCAAAACACGAGT  
 CACTGTTACGCTGGAACCAATTTTCTGGAAGAGGAAAGTGGAGACAACCTTCTTTGAAAGCCTCTCA  
 AGATCCATTTCTCAACATGTGAACAAAGAACTGAAAGAAAAAGCAATTCAGGCTGTTGCCACAATCCC  
 AAAACTACCCACGAGCTTAAATGGCCTATTCTGGGCCAGCTTTTCTTTCTCTAAGTTTCAGAAGTTGG  
 AAACATTTAAACCCCAAGGATATTGACTTAAAGTCACTTCATCTCCAGAAGCCTCTGGATCCACCTG  
 GACTAAGACCAACAGCCAGTTCCATCTGGTCCCCAAAAATCAAGCAGCCATTACCCCCCTCCAGAAA  
 GAACTCTTCTAATTATGAATCTTACCGGGACCTGTTCTACCCGGAAAGGACTGCTCTGAAGAACGGGG  
 AAGAGATCCGCCATGTGTATTGCCTGCATGTGATAAATCACATCTCAAAGCCAATGCCAGGTGCTTGG  
 CAACAATAGCAGACGCCGAAGCCAGAAGTTGGAGTGGGTGATGATGACTTCAGAGACCAAGGGTTA  
 ACAAGGCCAAGTACTGATAGTGGTCCATTCCGGGAAGCTGCTTTCGGGTGGTGCAGCTCTTCATCA  
 GCCTCCTCGAGGGTGACAGCAAGAAGAAAATCATTGTGAGCAACAAAAAGAGGTTTCAGGGAGAATATGG  
 ATCAGATCCCAGAGAGACACCACAACCTTGAAGAGGCCGAGGATTATGAAGCCGATTTGTGGGCAAT  
 ATTGATGACCACTTCAGATTGGAGTGGCAACTTTCAGAGAAGCATCCGACTCTATGCCCGTTTTACT  
 CCTCGGATATCCTCATTGCTTCCCCCTGGGCTTGGAGCCATCATTGGTGGAGAAGGAGAGAAGAAGAG  
 AGATTTTGACTTTCTGTCTTCTATCGAGCTTCTCATCATTGATCAAGCTGACATTTACCTGATGCAGAAC  
 TGGGAGCATGTCCTGCATTTGATGAATCACATGAACCTACTACCCTGGACTCACATGGGGTAGACTTTT  
 CTCGAGTGGGATGTGGAGCCTCAATAATTGGTCCAAGTACTATCGCCAGACACTGCTATTTGGGGCCCT  
 TCAGGATGCCAGATCAACTCAGTGTTCACAAGTACTGTGTCAACATGCAAGGCCAGGTGGCCGTGAGG  
 AATGTCCAATGACAGGCTCTATCAGTCAATGTCCTGGTGCAGCTCCACATGCTTCCAGAGGATGGAAG  
 CTGAAAACCTAGCTTCAGTGATTGATGCCAGGTTAACTTTTTGTGAACAAGATTTGCCACAGTATCG  
 TGATGCAGTCATGCTCACACGCTCATCTATATCCCCTCCTACTTTGACTTCGTGCGTCTTCGAAATTAC  
 TTCAAGAAGGAGGAATTGAATTTTACCCACATCTGCGAGTACACGCAGAAGTCTGGTGTCTCCAGGGCCA  
 GACACTTCTTCTCAAGGAGAGAAACAGTTTCTACTTTTTCACAGAGCGCTTCCATTTCTACAAAAGGTA  
 TACAATAAAAGGCATCAGGAACCTGATTTTCTATGAACTGCCGACATATCCACACTTTTACAGTGAATC  
 TGTAATATGCTGAGAGCCACCAACAGAGGAGAAGAGGCCACGTGGACCTGCACTGTTCTCTACTCCAAAT  
 ATGATGCCAGAGGTTAGCTGCCGTGGTGGTGTGGAGCGGGCGGCACAGATGCTACAGTCCAACAAGAA  
 TGTCACCTCTTCATTACTGGAGAAAAA

**ACGCGT**ACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC205756 protein sequence  
 Red=Cloning site Green=Tags(s)

MGKRGSRSSQLLNTLTKKQKKHLRDFGEEHPFYDRVSRKEAKPQICQLSESSDSSDSESDSESEPQQVS  
 GYHRLLATLKNVSEEEEEDEEEEEEDSIVDDAEMNDEGGSDVSEVEEMAAESTESPENVALSADPEGK  
 EDGEPPGTSQTSPEEFTDAKHESLFSLETNLFLEESGDNSSLKASQDPFLQHVNKELKEKAIQAVATNP  
 KTTHELKWPILGQLFFSSKFQKLETFKPPKDIDLKSLHLQKPLESTWTKTNSQFLSGPQKSSSPFTPLQK  
 ELFLIMNSYRDLFYPERTALKNGEEIRHVYCLHVINHILKANAQVLGNNSRRRSQKFGVGDGDDDFRDQGL  
 TRPKVLIVVPFREAAALRVVQLFISLLEGDSKKKIIVSNKKRFQGEYGSPEERPPNLKRPEDYEAVFVGN  
 IDDHFRIGVAILQRSIRLYAPFYSSDILIASPLGLRTIIGGEKEKRDFDFLSSIELLIIDQADIYLMQN  
 WEHVLHLMNHNLLPLDSHGVDVSRVRMWSLNNWSKYRQTLFLGALQDAQINSVFNKYCVNMQGVAVR  
 NVPMTGSISHVLVQLPHVFORMEAENLASVIDARFNFFVNKILPQYRDAVMSHTLIYIPSYDFVRLRNY  
 FKKEELNFTHICEYTKSGVSRARHFFLQGEKQFLLFTERFHFYKRYTIKIRNLIFYELPTYPHFYSEI  
 CNMLRATNRGEEATWTCTVLYSKYDAQRLAAVGVVERAAQMLQSNKNVHLFITGEK

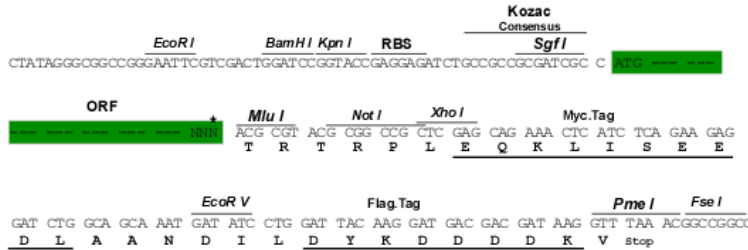
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: [https://cdn.origene.com/chromatograms/mk6521\\_c04.zip](https://cdn.origene.com/chromatograms/mk6521_c04.zip)

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



\* The last codon before the Stop codon of the ORF

ACCN: NM\_014388

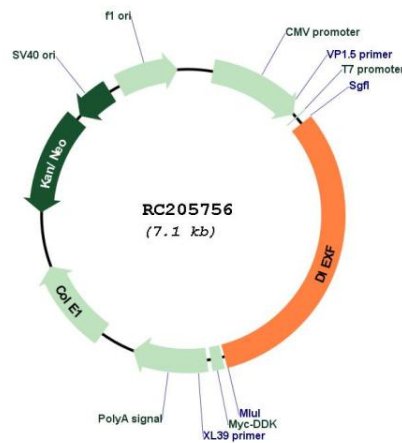
ORF Size: 2268 bp

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](#)

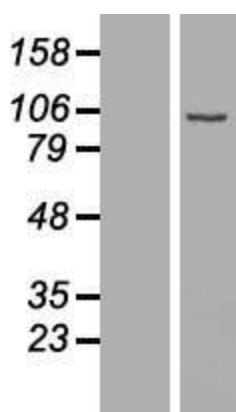
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

- 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\\_014388.2](#)
- RefSeq Size:** 8505 bp
- RefSeq ORF:** 2271 bp
- Locus ID:** 27042
- UniProt ID:** [Q68CQ4](#)
- Cytogenetics:** 1q32.2
- MW:** 87.1 kDa
- Gene Summary:** Regulates the p53 pathway to control the expansion growth of digestive organs. [UniProtKB/Swiss-Prot Function]

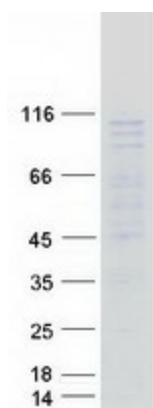
### Product images:



Circular map for RC205756



Western blot validation of overexpression lysate (Cat# [LY415311]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC205756 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified UTP25 protein (Cat# [TP305756]). The protein was produced from HEK293T cells transfected with UTP25 cDNA clone (Cat# RC205756) using MegaTran 2.0 (Cat# [TT210002]).