

Product datasheet for **RC227071**

UBTFL1 (NM_001143975) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	UBTFL1
Synonyms:	C11orf27; HMGPI
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC227071 representing NM_001143975
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGCTTTGCCTAGAAGCCAAGGCCATTGGTCCAACAAAGACATCTTGAGGTTACTGGAATGCATGGAGA
ATAATCGCCCATCTGATGACAAACAGCACGTTTAGCTCAACTCAGTCACACATGGACTGGGAAAAAGTAGC
TTTTAAAACTTTCTGGTGAAATGTGCAGACTCAAATGGTTAGAGATTCTTGCAACTTGAGAAAATTC
GGCCTTTGAAAGAATTAGTCTGGAAGCTAAGAAATGTGTTAAAAAGATGAACAAAAGCCAAAAATACA
GGAACGGTCCAGACTTTCCAAAGAGGCCCTTACTGCTTACAATCGCTTCTCAAGGAGAGTTGGCCCCA
GTAATCCCAATGTACCCTGGGATGAGAAGCCAGGAAGTACCAAAATCCTGTCAAAGAAATACAGGGAA
CTCCCAGAGCAGATGAAACAGAAATATATTCAGGATTTCCGGAAGGAAAAGCAAGAATTTGAGGAAAAAC
TTGCTCGATTGAGGAAGAACACCTGATTTAGTCCAGAAGGCCAAGAAATCTAGTGTCTCAAGAGGAC
TCAAAACAAAGTGCAAAAGAAGTTTCAGAAAAATATTGAAGAAGTGAGGTCTCTTCAAAACCGGATCGA
TTTTTCAAGAAGGTAATTTTCATGGAGAGCCTCAGAAACCCCATGAATGGATACCAAGTTTCACC
AAGATTCCTGGTCAAGTAAGAGATGCAACATTTGTCAGTGAGGGAGCGCATGGTAGAGATTGGCAGACG
CTGGCAGCGCATCCCGCAGAGCCAGAAGGATCATTTTAAGAGCCAGGCTGAGGAGCTGCAGAAGCAATAC
AAGGTGAAATTGGATCTCTGGCTCAAGACTTTGTACCTGAAAATTATGCTGCATACAAAGAATCGACCT
ATGCTAAGGGTAAGAATATGGCCATGACAGGAGGCCCGGACCCAGGTTGAAACAAGCAGATCCACAGTC
CTCATCAGCAAAGGGTCTGCAAGAAGGGTTTGGGAGGGGCAAGGGCTCCAGGCTGCAGGAACAGATTCA
TCACAGACTATTTGGGTAAGTGTCTCATGTCTCCATGGAACAGAGAAGCAAGGAAGAAGATAGAGAAA
AGGAAGAAAGCAGTAACCTTCAGACTGCAGCAGTGGAGAAGAAATAGAAGTTGATGTC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC227071 representing NM_001143975

Red=Cloning site Green=Tags(s)

MALPRSQGHSNKDILRLLECMENNRPSDDNSTFSSTQSHMDWGKVAFKNFSGEMCRKWLKLEISCNLRKF
GTLKELVLEAKKCVKKNKSQKYRNGPDFPKRPLTAYNRFFKESWPQYSQMYPGMRSQELTKILSKKYRE
LPEQMKQKYIQDFRKEKQEFEEKLARFREEHPDLVQAKKSSVSKRTQNKVQKKFQKNIEEVRLPKTDR
FFKKVKFHGEPQKPPMNGYHKFHQDSWSSKEMQHLVSRERMVEIGRRWQRIPQSQKDFKSQAEEELQKQY
KVKLDLWLKTLSPENYAAYKESTYAKGKNMAMTGGPDRLKQADPQSSSAKGLQEGFGEGQLQAAGTDS
SQTIVYNCHVSMEPEENRKKDREKEESSNSSDCSSGEEIEVDV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

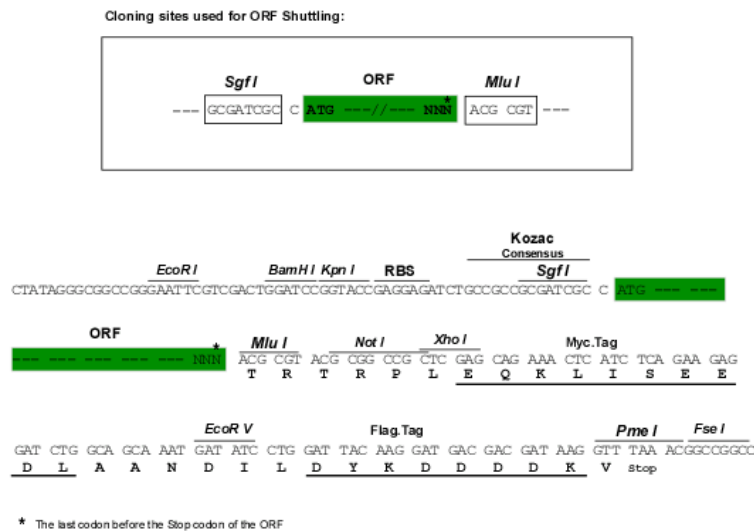
Chromatograms:

https://cdn.origene.com/chromatograms/mk8033_a08.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001143975

ORF Size:

1179 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001143975.1](#), [NP_001137447.1](#)

RefSeq ORF: 1182 bp

Locus ID: 642623

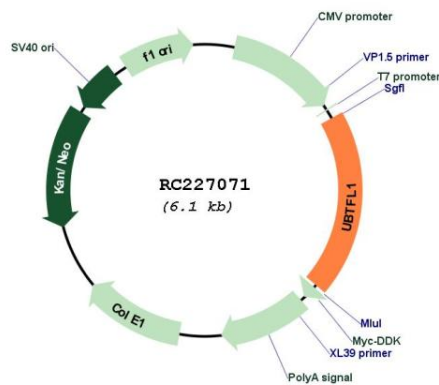
UniProt ID: [P0CB47](#)

Cytogenetics: 11q14.3

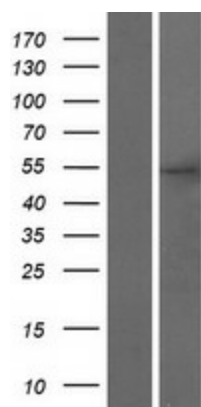
MW: 46 kDa

Gene Summary: UBTFL1 is a preimplantation-specific gene and is involved in early development, implantation, and embryonic stem (ES) cell derivation (summary by Yamada et al., 2010 [PubMed 19915186]). [supplied by OMIM, Jan 2011]

Product images:



Circular map for RC227071



Western blot validation of overexpression lysate (Cat# [LY428436]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC227071 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).