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Product datasheet for SC216441

UFL1 (NM_015323) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Product Name:	UFL1 (NM_015323) Human 3' UTR Clone
Symbol:	UFL1
Synonyms:	KIAA0776; Maxer; NLBP; RCAD
Mammalian Cell Selection:	Neomycin
Vector:	pMirTarget (PS100062)
ACCN:	NM_015323
Insert Size:	1803 bp

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Insert Sequence:

>SC216441 3'UTR clone of NM_015323
The sequence shown below is from the reference sequence of NM_015323. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
TCTAGGAAATCATCTGTGACGGAAGAGTAATGATCTTAATTTACATTTGTCATATAGTAAGCATTTTCC
CCCAAGGTTGAAGGTGAGTGGTCACAAAAAAGTAGTCACTATACAACTCCCCTCTCCCTGCAAAAACCA
CCTCATACACACACAATTCAGTTAAAACAGTAGTATTGTATTAAATGTAAATCTTAAAAAGATGTGAAT
TTTTGTAAATTGGGTTCTTCATGGAAGTTTTTTTCCACCTGATTTTCACACAAATACTATATGAAATTT
TTCACATTATTTTCACATAATTTTAAAAATTACATATTTCAGGTTTGTTCTCTTTCCAAATGTTGAATG
AAAAACAAATTTTCCAATCCATTTATCCCTGGGGAAGGATTCATTTGTTGCGAGTGCCAGTATACTTAA
ATGTATACTTTATATACATTTAAGCAGAAATTTAAAATGTGGTCTTTTTTTTTTAAAAGAAACACTTCT
GTGTCAGAAATGAAAATAAATCATGTTTTTTATTTTTAAATAGAAAGCACTTCAAAACTAAAATACAGA
AATTTACAAAAAAGAAAAATTATTACTAAGCCCTTGCTCTTATTTTTGGCAGAATAAACATTGATTTTG
GTTGGGGCTGCAAGGATGCCTTTACAGGTGCACAAGAACGCTAGAGTGGCCCATGCATTGCTGTGTTCT
CTTCTAAAACAAGCTACTAACAAGAGAGAGAACACATGCAATTTATTACCAGTAAGCATAAGTCATATT
TAACATTGGAATAACTAAGCATTTTATACAAAGATTTTTCTTTGACCCAGTTTGCATTTGTACATTTTA
TTTTTTTAGTTCAACAGCTGCTCTGTCACATAATACTTTGTAAATACTAGTGTGAAAAACAGATAGGAT
GCCTTTTCCAGTGGTAGGAGCATCTGTAAGTGCATTTAAATCATTAGAAGCTTTTTTCCAAAACTAGAA
ACCCTTATTAAAAAATAGACATTTTTTTCTAAAGATTATTAGTTAAAAATAACTAAAAGAGTTCCTTAG
AGTAATCATTTCAACCAAATGAATTTCAAGCAACAACTTACTTACTATTTATCAAAAAGGGATTTAATT
ATTTTGAATATAATTATAAATTAAATTTCAAATATTTAAAAATACTATTTTATATAATTCCTTATGACA
TTTTAAACTTTATATTTTAAAATATTTGAATACGAAAAGATCAGTCTACCTCTACTCCATTCTAGACAA
AGTATTAATCCTTAGTGAAAGTAATTAATTAAATTGCCAACTTGGCATTATTATTAAACTTGATAGGAA
CGCAACATTAAATTTAAAAATGTTTTCCCGTGGGTAATTTTCTATTATATATTTTCATATGGGCAAAGG
GAAAAAATGATAAATCCTCTGTAATCACAAACCCCAATTTCGTTTTGTTTATTCAGCTTCTAAAATATT
GAACACCCAGACTTTTAATTCAACCTTTAAGAACCTTATCATTTATGTTTCAGTAGATATCAAAGTAAT
CCATGTTTGTGTCAAATGATCATAGAAAATAAATAGAAGAGACAGTGAAGCAAGTAAAAAGAAAAGCAT
TGTTTTAATTTGTTTGCATTAATTTTTTTCATTTGTCAAAATGCTTCTTTTGTTGCCACAGTAAAGAAC
AGTTTTTATTGTTTTGTAAGTAAAATTACGTAGCTGATTTTGTATGTAAAGATTAATTTCCATAATAAA
AATTATTGTATGTTTACTGTGATCTTAATGGGCAGGGTTAAGAAAGTTATTTAAAATAAAGTTACCTAT
TCTACTAAA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_015323.5

Summary: E3 protein ligase that mediates ufmylation, the covalent attachment of the ubiquitin-like modifier UFM1 to substrate proteins, a post-translational modification on lysine residues of proteins that may play a crucial role in a number of cellular processes. Mediates DDRGK1 ufmylation and may regulate the proteasomal degradation of DDRGK1 and CDK5RAP3 thereby modulating NF-kappa-B signaling (PubMed:20018847, PubMed:20164180, PubMed:20228063, PubMed:25219498). May also play a role in nuclear receptor-mediated transcription through TRIP4 ufmylation (PubMed:25219498). May play a role in the unfolded protein response, mediating the ufmylation of multiple proteins in response to endoplasmic reticulum stress (PubMed:23152784). Anchors CDK5RAP3 in the cytoplasm, preventing its translocation to the nucleus which allows expression of the CCND1 cyclin and progression of cells through the G1/S transition (PubMed:20531390).[UniProtKB/Swiss-Prot Function]

Locus ID: 23376

MW: 71.6