

Product datasheet for SC114161

UFM1 (NM_016617) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	UFM1 (NM_016617) Human Untagged Clone
Tag:	Tag Free
Symbol:	UFM1
Synonyms:	BM-002; C13orf20; HLD14
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC114161 sequence for NM_016617 edited (data generated by NextGen Sequencing) ATGTCGAAGGTTTCCTTTAAGATCACGCTGACGTCGGACCCACGGCTGCCGTACAAAGT CTCAGTGTTCCTGAAAGTACACCTTTCACAGCAGTCTTAAAGTTTGCAGCAGAAGAATTT AAAGTTCCTGCTGCAACAAGTGCAATTATTACCAATGATGGAATAGGAATAAATCCTGCA CAGACTGCTGGAAATGTTTTCTAAAACATGGTTCAGAACTGCGGATTATTCCTAGAGAT CGTGTGGAAAGTTGTTAA Clone variation with respect to NM_016617.2 >OriGene 5' read for NM_016617 unedited GCGGCCGCGAATTCGGCACCCAGGCGGAGTTGTCGTGTGTTCTGGATTCATTCCGGCACCA CCATGTGCAAGGTTTCCTTTAAGATCACGCTGACGTCGGACCCACGGCTGCCGTACAAAG TACTCAGTGTTCCTGAAAGTACACCTTTCACAGCAGTCTTAAAGTTTGCAGCAGAAGAAT TTAAAGTTCCTGCTGCAACAAGTGCAATTATTACCAATGATGGAATAGGAATAAATCCTG CACAGACTGCTGGAAATGTTTTCTAAAACATGGTTCAGAACTGCGGATTATTCCTAGAG ATCGTGTGGAAAGTTGTTAATATCTGCTACTTGGAACATACGATTGCCTTTCAGAATAAA TATTGGTATTTTTGTTGTTGTAAAATTGAAATCAGGCATTTAACATACTATGAAAACAC CAGGAGTCAATGATTAATGAAAGGTGACTCATCTGTCCCTTTTTGTTGTCCATACTCTTC CTATGAAGAGGGAATGCGTATGAATTAAGGCTACTACTGTACAGAAGATCATAGTCTTT GATGCTACCTCACACACAAACAGGTAGTTCGTTGGGGGCAAAATGAATTAGCCAACTGTTA ACTGGAAGCTTTTGATAATTTTTTTTTTTAGAACAAATNTGGAACATTAATTTACTGAA TCGTATATATTCATCTGAGATAAAAAATTAAGAATTATGGACCCTGGATGGGCANTTG CTTGATAGCATCTG
5' Read Nucleotide Sequence:	
Restriction Sites:	NotI-NotI
ACCN:	NM_016617


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OTI Disclaimer:	Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).
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_016617.1</u> , <u>NP_057701.1</u>
RefSeq Size:	2529 bp
RefSeq ORF:	258 bp
Locus ID:	51569
UniProt ID:	<u>P61960</u>
Cytogenetics:	13q13.3
Domains:	UPF0185
Gene Summary:	UFM1 is a ubiquitin-like protein that is conjugated to target proteins by E1-like activating enzyme UBA5 (UBE1DC1; MIM 610552) and E2-like conjugating enzyme UFC1 (MIM 610554) in a manner analogous to ubiquitylation (see UBE2M; MIM 603173) (Komatsu et al., 2004 [PubMed 15071506]).[supplied by OMIM, Dec 2008] Transcript Variant: This variant (1) encodes isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.