

Product datasheet for **SC112728**

MMS2 (UBE2V2) (NM_003350) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MMS2 (UBE2V2) (NM_003350) Human Untagged Clone
Tag:	Tag Free
Symbol:	MMS2
Synonyms:	DDVit-1; DDVIT1; EDAF-1; EDPF-1; EDPF1; MMS2; UEV-2; UEV2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:

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>OriGene sequence for NM_003350 edited
GAATTCGGCACGAGGCAGGAGAAGATGGCGGTCTCCACAGGAGTTAAAGTTCCTCGTAAT
TTTCGCTTGTGGAAAGAACTTGAAGAAGGACAAAAAGGAGTAGGCGACGGTACAGTTAGC
TGGGGCCTTGAAGATGATGAAGATATGACACTTACAAGGTGGACAGGCATGATTATTGGG
CCACCAAGGACAAATTATGAAAAAGAATATATAGCCTGAAAGTAGAATGTGGACCTAAA
TACCCAGAAGCTCCTCCGTCAGTTAGATTTGTAACAAAAATTAATATGAACGGAATAAAT
AATCCAGTGGGATGGTGGATGCCCGGAGCATACCAAGTGTAGCAAAATGGCAAAATTCAT
TATAGCATTAAAGTTGACTTCAAGAGCTAAGAGCTCTAATGATGTCCAAGAAAAATATG
AAGCTTCCACAGCCACCAGAAGGACAAACATACAACAATTAATTTTGTAGTGATCTCAAAC
TTGTCTTAAATCAACAACCTTCTACTCATGTTAATGTCTTGATTAATATCACAATGCAA
AATACACATTAAGTAAAAGAATCCAGCTGGTAAACATGACCTGGACATTTGTAAGAATA
TATTTAATATATGTACACCCATTATGTTTTCAGGTAACAGGAGGAAAAATGCAGCACAAT
TTTTTTTCTCTTGAAAGGCACTGTCATTTAAACATAAACCTGGAGTACTCGAAATAGAAT
TCAGGTTTACAAGATGAAAGCGTGTGGAGAAGTGTGAGATGGCAGTGGAAAGCATGTGTGT
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GAAAGAGAGCTGCAGTTGAAATTGTTTAAAAAGTAGCAGGTACAATGAATATTGTACAG
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TAAAAAGCTGTTCTTGTGTGTTACATGTAAACAGACATGGTAAATATTTGTTTACAGTCTT
TGTTTAAACAAACCATGCATTTAAGTTTAAAGTGAAGTCAACAAAAAGGAAATAGGTGTATG
GATATGTGATTTTGAGATTAAAGTTAGTCTTAAATGTAATAAAATGTGAAACGTGTCC
TCAGAGACTGTGCCATTTCTATTATGTTGATGTATGTACAGTACCTTGCCAGGGAAGC
AAAAATTGGAATTATTGTAGCTTTTCATGTATACACACTTTTATTTACCCATTTTGTGTA
CTTCTTGTAATTATAAXXXXXXXXXXXXXXXXXXCTGAAGTTGAAAAGTCATTTATGTT
CCGCTTTCACCAAAGTGACGTGAGGCTTTAGGTCACTGTTTCACTTCAAAGTACTGGATC
CAAAGCTTTGTTGAAAATGCTGTTTGTGATGAATCACTGAAGAATATAGAAAGGTGGTCAG
GTAAAGTCTACTTTTATTTGTCAAGCTTAATAATTTGTGTCATACTTTACCCAGTATA
TATAGGCAAAACAAAACCTTATCAAAATTTAAATTAGTTGTTTAAACTTTGCTTATAAAG
TATTGGCCATGTGGTGGCTCATGCCGCTAATCCCAGCACTTTGGGAGGCTGAGACGGGCA
GATCACTTGAGGTCAGGAGCTTGAGACCAGCCTGGCCAACATGATGAAACCCTGTCTCTA
CTAAAAATACAAAAAATTAGCCAGGTGTGGTGGTGGTACTTGTAGTCCCAGCTACTCGG
GAGGCTGGGCAGGAGAACTACTTGAAACTGGCAGACAGAGGTTGCAGTGCCGAGAGCGCA
CCACTGCTCCAGCCTGGGCAACAGAGCAAGACTCCATCTCAAAAAAAAAAAAAAAAAAACT
CGAC
    
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5' Read Nucleotide Sequence:	>OriGene 5' read for NM_003350 unedited CTATTTTGTCAATACGACNCACTATAGGGCCGGGCCGCGCAATTCGGCAGGAGGCAGGAG AAGAGGCGGTCTCCACAGGAGTTAAAGTTCCTCGTAATTTTCGCTTGTGGAAGAACTTG AAGAAGGACAAAAAGGAGTAGGGCAGCGTACAGTTAGCTGGGGCCTTGAAGATGATGAAG ATATGACACTTACAAGGTGGACAGGCATGATTATTGGGCCACCAAGGACAAATTATGAAA ACAGAATATATAGCCTGAAAGTAGAATGTGGACCTAAATACCCAGAAGTTTTCCGTCAG TTAGATTTGTAACAAAAATTAATATGAACGGAATAAATAATCCAGTGGGATGGTGGATG CCCGGAGCATACCAAGTGTAGCAAAATGGCAAAATTCATATAGCATTAAAGTTGACTTC AAGAGCTAAGACGTCTAATGATGTCCAAAGAAAATATGAAGCTTCCACAGCCACCAGAAG GACAAACATACAACAATTAATTTTAGTGGATCTCAAACCTGTCTTAAATCAACAACCTTC TACTCATGTTAATGTCTTGATTAATAATCACAATGCAAAATACACATTAAGTAAAAGAAT TCCAGCTGGTAAACATGACCTGGACATTTGTAAGAATATATTTAATATATGTACACCCAT TATGTTTTTCAGGTAACAGGAGGAAAAATGCAGCACAATTTTTTTCTCTTGAAGGCACTG TCATTTAACATAAACCTGGAGTACTCGAAATAGAATTCAGGTTTACAAGATGAAAGCGTG TGGAGAAGTGTCAGATGGCAGTGAAGCATGTGTGTTTCTAAAAGTAAAAATCTCAAGAA ACAGAAATGGCATGCCTTACCCATCTACTTAGTAAAAGAGAGCTGCAGCTGAAATTGTT TAAAAGTAGCAGGTCCATGAAAATGTCACAGATGTGTTAATTTTTGAGCCATGGGGTGCT GACTCTATTATATCAAAT
Restriction Sites:	NotI-NotI
ACCN:	NM_003350
Insert Size:	2240 bp
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:	<ol style="list-style-type: none"> 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_003350.2</u> , <u>NP_003341.1</u>
RefSeq Size:	1535 bp
RefSeq ORF:	438 bp
Locus ID:	7336
UniProt ID:	<u>Q15819</u>
Cytogenetics:	8q11.21
Domains:	UBCc

Protein Families: Druggable Genome

Gene Summary: Ubiquitin-conjugating enzyme E2 variant proteins constitute a distinct subfamily within the E2 protein family. They have sequence similarity to other ubiquitin-conjugating enzymes but lack the conserved cysteine residue that is critical for the catalytic activity of E2s. The protein encoded by this gene also shares homology with ubiquitin-conjugating enzyme E2 variant 1 and yeast MMS2 gene product. It may be involved in the differentiation of monocytes and enterocytes. [provided by RefSeq, Jul 2008]