

Product datasheet for **SC305611**

MFI2 (MELTF) (NM_033316) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: MFI2 (MELTF) (NM_033316) Human Untagged Clone
Tag: Tag Free
Symbol: MFI2
Synonyms: CD228; MAP97; MFI2; MTF; MTF1
Mammalian Cell Selection: None
Vector: [pCMV6-XL5](#)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_033316 edited
GCCACCATGCGGGTCCGAGCGGGGCTCTGTGGCTGCTCCTGGCTCTGCGCACCGTGCTC
GGTGCCATGGAGGTGCGGTGGTGCGCCACCTCGGACCCAGAGCAGCACAAAGTGCGGCAAC
ATGAGCGAGGCCCTTCCGGGAAGCGGGCATCCAGCCCTCCCTCCTCTGCGTCCGGGGCACC
TCCGCCGACCACTGCGTCCAGCTCATCGCGGCCAGGAGGCTGACGCCATCACTCTGGAT
GGAGGAGCCATCTATGAGGCGGAAAGGAGCACGGCCTGAAGCCGGTGGTGGGCGAAGTG
TACGATCAAGAGGTGCGTACCTCTATTACGCCGTGGCTGTGGTCAAGGAGGAGTCCCAT
GTGACCATTGACACCCTGAAAGGCGTGAAGTCTGCCACACGGGCATCAATCGCACAGTG
GGCTGGAACGTGCCCGTGGGCTACCTGGTGGAGAGCGGCCCTCTCGGTGATGGGCTGC
GATGTACTCAAAGCTGTCAGCGACTATTTGGGGCAGCTGCGTCCCGGGGCAGGAGAG
ACCAGTTACTCTGAGTCCCTCTGTGCGCTCTGCAGGGGTGACAGCTCTGGGAAGGGGTG
TGTGACAAGAGCCCTGGAGAGATACTACGACTACAGCGGGCCTTCCGGTGCCTGGCG
GAAGGGGCAGGGACGTGGCTTTTGTGAAGCACAGCACGGTACTGGAGAACACGGATGAA
AGTCCATCACGAAGGCAACATGGACCAGATCTGAGGAGGAAGAAGGCGAGTGCCCTGCA
CACGAGGAAGCACGTAGGACGATGCGCTCTAGTGTGGGCAAGCCTGAAATGGGCTCCC
GTTACAGGCCCCAGGACGAGTCTGACAAAGGAGAATTTGAAAACGGGCAAGAGTAGG
GATATGTTGGGTAA

Restriction Sites: Please inquire

ACCN: NM_033316

Insert Size: 1000 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).



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OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	NM_033316.2 , NP_201573.1
RefSeq Size:	1651 bp
RefSeq ORF:	909 bp
Locus ID:	4241
UniProt ID:	P08582
Cytogenetics:	3q29
Protein Families:	Druggable Genome
Gene Summary:	<p>The protein encoded by this gene is a cell-surface glycoprotein found on melanoma cells. The protein shares sequence similarity and iron-binding properties with members of the transferrin superfamily. The importance of the iron binding function has not yet been identified. This gene resides in the same region of chromosome 3 as members of the transferrin superfamily. Alternative splicing results in two transcript variants. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (2) differs from variant 1 in the central coding region, resulting in a frameshift. The encoded isoform (2) has a truncated and distinct C-terminus and lacks the propeptide compared to isoform 1.</p>