

Product datasheet for **SC338003**

EMSY (NM_001300943) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	EMSY (NM_001300943) Human Untagged Clone
Tag:	Tag Free
Symbol:	EMSY
Synonyms:	C11orf30; GL002
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001300943, the custom clone sequence may differ by one or more nucleotides

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ATGCCTGTTGTGTGGCCAACCCCTCTGGATCTCAGCAGGGATGAATGCAAAGAATTCTTCGAAAATTGG
AATTGGAGGCATATGCTGGAGTTATCAGTGCACCTCGGGCACAGGGGGATCTCACCAAGGAAAAGAAAGA
TCTTCTTGGAGAACTATCAAAGTTCTTAGCATCTCAACAGAACGCCACCGTGCTGAAGTTCGGAGAGCA
GTAAACGATGAACGGTTAACAACAATTGCACATAATATGTCTGGACCTAATAGCTCTTCAGAATGGTCCA
TTGAAGGTCGTCGATTGGTACCACTGATGCCCCGGCTCGTTCCCCAAACCGCCTTACTGTAACAGCTAA
TGCTGTTGCTAATGCAGCTATCCAGCATAATGCATCTCTCCAGTGCCTGCAGAAACAGGAAGCAAGGAA
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TAGCAACGGTTAAGTCTCCAAGACCTGCCAGTCCCTGCCTCCAATGTAGTTGTCTTGCCAAGTGGAAAGTAC
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ATAGTACCACATACCAAGCTCAACCTTCGTGCCAACATTCTCTCAAATCCCATAAATATGCAGCAG
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CAGCAACAAGTGGCCAGCCTTCTCCAGTATCTCATCAGCAACAGCCTCAGCAGTCTCCTTTGCCACCTG
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AGTAATGGTGCAATTATGACAATAAAGTGGTAACCACTCTACTGGCACACAAGCAACCTATACCCGGC
CAACAGTGAGCCCATCCATTGGTCGGATGGCTGCAACCCCTGGAGCTGCAACCTATGTGAAAACACAG
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TGGTAGCATCATTACAGTAGTACCCAAATCATTAGCTACCTTGGGGGCAAGATAATTAGCAGTAATATA
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GCTTTTACCAACACAGCGAGGAACCTTGGAACTGAGGAGGGCGAGGTTGAAGAGATGGACACTTTAGACC
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GTTTCATGCGTATTCAGAATGTAGGCCAAAAGAAAGCTGAAGAGAGTCCAGCAGAAATATCATCCAGGCT
ATTCCTCAGTATGCTATTCCTTGTCACTCCAGCTCCAATGTGGTGGTGGAGCCAGTGGGCTTCTTGAGC
TAAACAACTTCACTAGTCAACAGCTGGATGATGAGGAGACAGCAATGGAGCAGGACATAGACAGTAGCAC
GGAGGATGGAACGAACCCAGCCCTTCTCAGAGCTCTGCTGAACGGTCC TAG

Restriction Sites:

Sgfl-MluI

ACCN:

NM_001300943

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: [NM_001300943.1](#), [NP_001287872.1](#)

RefSeq Size: 6874 bp

RefSeq ORF: 3972 bp

Locus ID: 56946

UniProt ID: [Q7Z589](#)

Cytogenetics: 11q13.5

Gene Summary: Regulator which is able to repress transcription, possibly via its interaction with a multiprotein chromatin remodeling complex that modifies the chromatin. Its interaction with BRCA2 suggests that it may play a central role in the DNA repair function of BRCA2. As part of a histone H3-specific methyltransferase complex may mediate ligand-dependent transcriptional activation by nuclear hormone receptors.[UniProtKB/Swiss-Prot Function]
Transcript Variant: This variant (2) lacks an alternate in-frame exon in the 5' end compared to variant 1. The resulting isoform (2) has the same N- and C-termini but is shorter compared to 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.