

Product datasheet for **RG213245**

MEMO1 (NM_015955) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	MEMO1 (NM_015955) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	MEMO1
Synonyms:	C2orf4; CGI-27; MEMO; NS5ATP7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG213245 representing NM_015955 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGTCCAACCGAGTGGTCTGCCGAGAAGCCAGTCACGCCGGGAGCTGGTACACAGCCTCAGGACCGCAGC
TGAATGCACAGCTAGAAGGTTGGCTTTCACAAGTACAGTCTACAAAAGACCTGCTAGAGCCATTATTGC
CCCCATGCAGGATACGTACTGTGGTCTTGTGCTGCCATGCTTATAACAAGTGGATCCGTCTATT
ACCCGGAGAATTTTCATCCTTGGCCTTCTCATCATGTGCCCTCTCTCGATGTGCACTTCCAGTGTGG
ATATATATAGGACACCTCTGTATGACCTTCGTATTGACAAAAGATTTACGGAGAAGTGTGAAGACAGG
AATGTTTTGAACGCATGTCTCTGCAGACAGATGAAGATGAACACAGTATTGAAATGCATTTGCCTTATACA
GCTAAAGCCATGGAAAGCCATAAGGATGAGTTTACCATTATTCCTGTACTGGTTGGAGCTCTGAGTGAGT
CAAAGAAGCAGGAATTCGGAAAACCTCTCAGTAAATATCTAGCGGATCCTAGTAATCTCTTTGTGGTTTC
TTCTGATTTCTGCCATTGGGGTCAAAGGTTCCGTTACAGTTACTATGATGAATCCAGGGGGAGATTTAT
AGATCCATTGAACATCTAGATAAAATGGGTATGAGTATTATAGAACAATTAGACCCTGTATCTTTAGCA
ATTACTTGAAGAAATACCATAATACTATATGTGGAAGACATCCCATTGGGGTGTATTAAATGCTATCAC
AGAGCTCCAGAAGAATGGAATGAATATGAGTTTTTCGTTTTTGAATTATGCCAGTCGAGCCAGTGTAGA
AACTGGCAAGACAGTTTCAGTGAGTTATGCAGCTGGAGCACTCACGGTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



[View online »](#)

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_015955.4](#)

RefSeq Size: 1831 bp

RefSeq ORF: 894 bp

Locus ID: 51072

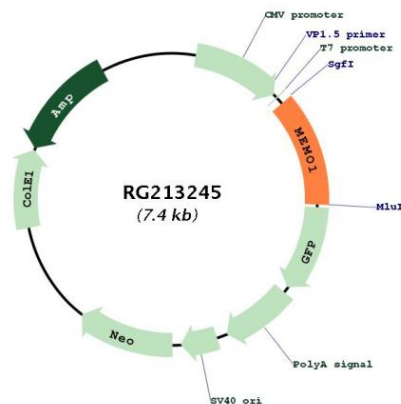
UniProt ID: [Q9Y316](#)

Cytogenetics: 2p22.3

Domains: UPF0103

Gene Summary: May control cell migration by relaying extracellular chemotactic signals to the microtubule cytoskeleton. Mediator of ERBB2 signaling. The MEMO1-RHOA-DIAPH1 signaling pathway plays an important role in ERBB2-dependent stabilization of microtubules at the cell cortex. It controls the localization of APC and CLASP2 to the cell membrane, via the regulation of GSK3B activity. In turn, membrane-bound APC allows the localization of the MACF1 to the cell membrane, which is required for microtubule capture and stabilization. Is required for breast carcinoma cell migration.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RG213245