

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_001001330 unedited <pre> TGTCAAAATTTGTATACGACTCATATAGGGCGGCCGCAATTCGCACCAGCTCCTGAGGG CGCCAGCGCGGCCCGGGGAGCGCGAGGAGCCGGCGAAGCGCGCGGCCTGCCGTTGGCGG CCTGGTCCGCAGCGCCCTGCGCCACCCGCCCGGACGTGGGGCCCAAGCCCCCGTGAAG ATGGTGTCTGGATGATCTCCAGAGCCGTGGTGCTGGTGTGTTGGAATGCTTTATCCTGCA TATTATTCATACAAAGCTGTGAAAACAAAAACGTGAAGGAATATGTTTCGATGGATGATG TACTGGATTGTTTTTGTCTCTATACTGTGATTGAAACAGTAGCCGATCAAACAGTTGCT TGGTTTCCCTGTACTATGAGCTGAAGATTGCTTTTGTATATGGCTGCTTTCTCCCTAT ACCAAAGGAGCAAGTTTAAATATATAGAAAATTCCTTCATCCACTTCTTTCTCAAAGGAA AGGGAGATTGATGATTATATTGTACAAGCAAAGGAACGAGGCTATGAAACCATGGTAAAC TTTGGACGGCAAGGTTTAAACCTTGACGCTACTGCTGCTTACTGCAGCAGTAAAGAGC CAAGGAGCAATAACTGAACGTTTAAAGAGCTTCAGTATGCATGATTTAACAACATATCCAA GGTGATGAGCCTGTGGGACAAAGACCATACCAACCTCTACCAGAAGCAAAAAAGAAAAGT AAACCAGCCCCCAGTGAATCAGCAGGTTATGGAATTCCTGAAAGACGGAGATGAGAAA ACAGATGAAGAAGCAGAGGGGCCATATTCAGATAATGAGATGTTACACACAAAGGCTTCG AGATCGCAAGCATGAAACTGTGAAACCACCAAGCGCAAGAGTGCGGTGCGGTCACTAATA CAAGTGAGAACGACACAGTGATTTTGTCTCTACCGT </pre>
Restriction Sites:	NotI-NotI
ACCN:	NM_001001330
Insert Size:	4700 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:	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_001001330.1</u> , <u>NP_001001330.1</u>
RefSeq Size:	2308 bp
RefSeq ORF:	768 bp
Locus ID:	221035
UniProt ID:	<u>Q6NUK4</u>
Cytogenetics:	10q21.3
Protein Families:	Druggable Genome, Transmembrane

Gene Summary:

Microtubule-binding protein required to ensure proper cell division and nuclear envelope reassembly by sequestering the endoplasmic reticulum away from chromosomes during mitosis. Probably acts by clearing the endoplasmic reticulum membrane from metaphase chromosomes.[UniProtKB/Swiss-Prot Function]