

5' Read Nucleotide Sequence:	>OriGene 5' read for AK026175 unedited NNNNNGGGGAACGACAGAATTGTATACAACCTACTATAGGCGGCCGNAATTCGCACGA GNATCTTTATCATGTTGTCAAACAAGTGGGTACAAGCAGACTTTGAGACACTTTTCCAC AGAAACAATACTATGAATTGGTGATTGAGTTCCAGGCCAAGCCTCCCTCAACAGTTCA ACTCTAATATACCTAACCTGTGATACTGAAGGTGCCTGCCTGAGTTTTGGGTCTCTGAGA CAGGTAGTGTGAGTAGTTTGGAGGAAGGACAGTGCAACTTTCCACCCCTTTTCTAAGA ACAAGGTCTTTCTCCTTTAATTTTCCACTCATTTTCCACTCCTAATGCCCTTGAGATC CAGGTACACTCCTGGGAGTTTTGTTACCTCTCCCAACTGAGAACCTTCCCACTGGGCTC CATCCTCCTCCTGAGGTTCTTCATATTCCAGAGTCACCCACCCTTCTCCTCCCATTAGT CAGTTCTCTAAGTACAGCTGATGTCATGTGGTGTGAGAAGAAAGCAGATCACACTTCAT CACAGAAAGAATGCCTTGATTATCTTCTCCACATCTGAAATTCCTTTTGACACCTGCA TTGNGCCGACTGCCATCCCATGACTGCTGCACCTGCGTTTTAGAGAATGCCTCATAAC CCACTGATTCTCATTACAGAGAATGGGAGAACGGAATGAAGAAAGATTCCAGCAGCTTA TAGAAGGATAGNCATATTTGGGACAGGAAAAATCCTGTCATACCTCATCTTCTCCTCA GAGGAGTTCTGAGCTGGTCTGCTTTTTCATAGTTGTTTCTTTTCTTCACTTAAGACTCA TAGATTTTTTCTACTGTCCTAAGGAAGTCTTACCTCTGAGGTATCTCCTCATGN
Restriction Sites:	NotI-NotI
ACCN:	AK026175
Insert Size:	1700 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:	AK026175.1
RefSeq Size:	1069 bp
RefSeq ORF:	1069 bp
Locus ID:	23049
Cytogenetics:	16p12.3
Protein Families:	Druggable Genome, Protein Kinase

Gene Summary:

This gene encodes a protein involved in nonsense-mediated mRNA decay (NMD) as part of the mRNA surveillance complex. The protein has kinase activity and is thought to function in NMD by phosphorylating the regulator of nonsense transcripts 1 protein. Alternatively spliced transcript variants have been described, but their full-length nature has yet to be determined. [provided by RefSeq, Mar 2013]