

5' Read Nucleotide Sequence:	>OriGene 5' read for BC009028 unedited ACTTTGAATTTGTATACGACTTATATGGGCGGCCGCGNATTCAGATCTGGTACCGGTCCG GAATTCCTCCGGGATATCGTCGACCCACGCGTCCGCCACGCGTCCGAGGCGGTGGTGGTGG TAGCGGTGTGACAGGAGGCTATGGCAGCTGCCAGTCTACCTCAGCCCATCTTGAAAA CAATCTTAGGCAACATGGAACCACCACGAGGCCCTCTGTTAGTGGGGCTGAGCCATCTC GGGCAGTTGGCACTGTCAAAGTGTACCTGCCTAACAAAGCAACGCACAGTGGTACTGTCC GGGAAGGCATGAGTGTCTATGACTCTTTGGACAAGGCCCTGAAGGTGCGGGTCTCAACC AGGACTGCTGTGTGGTCTACAGGCTCATCAAAGGAAGAAAGACAGTCACTGCCTGGGACA CAGCCATTGCGCCTCTGGATGGTGGAGGCTCATTGTGGAGGCTCTAGAAGATGTGCCAC TGACCATGCACAATTTGTACGGAAGACATTCTCAGCCTGGCCTTCTGTGACTTCTGCC TTAAGTTTCTGTTCCATGGATTCCGCTGCCAGACCTGTGGCTACAAGTTCCACCAGCATT GTTCTCCAAGGTCCCACCGTCTGCGTTGACATGAGTACCAACCGCCGACAGTTCTACC ACAGCATCCAGGATCTGTCTGGAGGCTCCAGGCAGCAGGAGGCTCCCTCAAATCTCTCTG TGAATGAGCTGCTAACCCCCCAGTCCANNGTAGGATGTCGTANATGAAAGCCAGGGG GCCAGTAAAGAAGGATTGGAGGACCCTGAGAGATATACCTTTTCGTTATTGGTTACGTGA TAATACTATGAGTACCTACAGTGTGATATGGGCATGGGATGGTGGATCATGGTAAAGCA CCCGTCATCCCAGTTTCATTTTTTATA
Restriction Sites:	Please inquire
ACCN:	BC009028
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:	BC009028.1 , AAH09028.1
RefSeq Size:	1542 bp
Locus ID:	369
Cytogenetics:	Xp11.3
Protein Families:	Druggable Genome, Protein Kinase

Protein Pathways:	Acute myeloid leukemia, Bladder cancer, Chronic myeloid leukemia, Colorectal cancer, Endometrial cancer, ErbB signaling pathway, Glioma, Insulin signaling pathway, Long-term depression, Long-term potentiation, Melanoma, Natural killer cell mediated cytotoxicity, Non-small cell lung cancer, Pancreatic cancer, Pathways in cancer, Progesterone-mediated oocyte maturation, Prostate cancer, Regulation of actin cytoskeleton, Renal cell carcinoma, Vascular smooth muscle contraction
Gene Summary:	This proto-oncogene belongs to the RAF subfamily of the Ser/Thr protein kinase family, and maybe involved in cell growth and development. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Jan 2012]