



Reference: PTXBC040183

Product type:	DNA	Storage Condition:	-20°C
Size/Quantity:	2 ug	Delivery Condition:	+4°C, Blue Ice
Synonyms	CAMP-GEFII; CGEF2; EPAC; EPAC 2; EPAC2; Nbla00496; rap guanine nucleotide exchange factor 4; RAP guanine-nucleotide-exchange factor (GEF) 4; Rap guanine nucleotide exchange factor (GEF) 4; cAMP-regulated guanine nucleotide exchange factor II; exchange fac		

For research use only.

GENE DESCRIPTION	Rap guanine nucleotide exchange factor (GEF) 4
GENE ID	11069
ORIGIN SPECIES	Human
ACCESSIONS	BC040183
VECTOR	pDONR223
NCBI SYMBOL	RAPGEF4
LENGTH	ProteoGenix bp
SEQUENCE PRIMERS	Forward primer M13R (5'→3'): GTAAAACGACGGCCAGT Reverse primer T7P (5'→3'): TAATACGACTCACTATAGG

atgctctacaagaataatgcagactgtatggcaggactctggctccctcttatgggtttatggaacgggctctacaatgacaggattctgcagaaggagaacacacctctcattgaacctcagcttctctctgctctgtaaacaccattacaagggttccctcagagaagatctccagagct
gagaanaatttccagaatgccattctctctgcagcagctccatgacatagaagatagagaataatccactcaatgacatcacagaacatctgtgttgggaacgaactgggactgagctgagcagcagacatggttctacatcccgacacagctctgtgtggatgctggcgcgtctgtgaag
gatggtttctcaaccacgtgcgcgacgagacacatttccaagaataaatttattctatctgattggttgcagtcagcaggatgcccttgcctctgaggagagaagaaggatgtgatggaagctcaggacacattctgctctctgacatgattggcgcgcgctgccacat
gaggatgatcttcgcaaacacctcggccagaggactgtggatgacctagagattatctatgaggagcttctcatattaaaggcttcttccatcttctaccacagtgaacagagagttagcaggtgttctcatattttgagcttcacgccaaggaggggacgtgtgtgtttaaccagggggaaga
agtgacctctgctcatatttcaaaagatcatgtaagtatcttatttcgcaaggctgtgtgtctgcacgtcatgaaaggagatagcttcgcaagttagcactgtagatgtagatgccccagagctgctctatctgctctacagaagaatactgccatttctaaagtagacagaaggag
attfcaaccggatcttaaggagctgtggagctggaatcagactatgaagaacattgacaaagattgacgaagattgtgtgtctggagaaggctccagcagacagctctatcaaggaaactcacagctcgacaaaagtactgtgatctgacagacacctgaanaaatttagagctgttt
ctagaacaatacgcttgaggcgaacttfaaaggacacagattctgtttaaatgactttattatgatgcagtgtgttttatgccaaaatccaccagctttgccggcactgtgtggccctaccacgcacagcttcaagggtacagaaacaggagaaaattggatttgccttcaacaataag
agggcagctatccctggatgctacagctggggctgcgatattggagacgtctccagaaggagacgtcttctatggctctctggagagctttatgtatctgatcatgatgatgccgggatgattgctccctcaaggagcaactcgcagatgtgagaagatgtgtcaagatctcagaag
atcagaaggaccacaanaaggaaagctgactgattttgcaaacgcttcaatccggcgatgagagagccgaagccgcagctatccggctgctatgaattgtttgaagtctatgatgcaagacacacacatcctgggtgcagctgcccattgtgcaaggaagatcat
cagtgcaagttgccgacaagctgggctcggggggggcctgatcatatgcaaatgatggttccggaggagaaaagggtgtgtctcaaacctaatgatgtttcagttattacgacgtcctaccattaatggagcgtgtttgtgtgcccgagagcaattgattactgactcattaccagaaca
gagaagcccaactctgttgacacagctgggaactttgaactgatgatgcctcaaaagtattgatcatcagatgataaaaattgttgatagatccttcaactcgtgctgctgatacagctaatctacacatttgaaggatcaattttaaagacacacacaaactcgtattgttctgaggag
atttaagtaaaactctgtttggctctgacatgactctgctcttcttgcactgcagcaagcgtgtgttgcatactaaataaattttaaagatgcagccctcttaaggagataataaaatctgaattcctttttggcagctgctggaattgaactgtctgtgacgcgtctgctactacgtggg
agaaaactgccaaagcaagttaaagaagttctatgcggatgttgaaggttaattggacacttcaaggaaaccacagggctcactacagctgacagtagctaagctggaacctcctctcatccctctatgctttgctcataaagatatgacatttactcatgaggggaaacagacgttattgacaatc
tagtaaccttgaataaattgcgatgttgcataatgcggcagacaagtgcagatactacaggagaaccaactctcaatctctgatgcagctcaagctaataagaacctcaggaatgctgcgcaatgtatgacggcaataatgtgatgacacacagagaacctttatcacatgctgcacagatt
agagctcgtcgcacatag