OriGene Technologies, Inc.
9620 Medical Center Drive, Ste 200
Rockville, MD 20850, US
Phone: +1-888-267-4436
https://www.origene.com
techsupport@origene.com
EU: info-de@origene.com
CN: techsupport@origene.cn

Product datasheet for SC205174

ITPKA (NM_002220) Human 3' UTR Clone

Product data:

Product Type: 3' UTR Clones

Product Name: ITPKA (NM_002220) Human 3' UTR Clone

Vector: pMirTarget (PS100062)

Symbol: ITPKA

Synonyms: IP3-3KA; IP3KA

ACCN: NM_002220

Insert Size: 415 bp

Insert Sequence:

>SC205174 3'UTR clone of NM_002220
The sequence shown below is from the reference sequence of NM_002220. The complete sequence of this clone may contain minor differences, such as SNPs.
Blue=Stop Codon Red=Cloning site

GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAGGCCAAGAAGGGCGGAAAGATCGCCGTG
TAACAATTGGCAGAGCTCAGAATTCAAGCGATCGCC
GGCATCCTGGCCAGCCTGGCTGAGAGATGAGGCTGGACTCCTGTCCCCGCGGGCCGCTCACCTGACATG
TGGACCTGCAGCTTTGTCCCCACTGTGCATGCCGGCTTGAGACTGGAGCCCCGCGGTGCAGGGCAGTTC
ACCGGGTCCTGCAGGACCAGGTGCCAGCCACTAAGGGGGGGCACCGCCGATGCCAGGGGTTTTGCCCAC
CCGGGCCCCAGCGTTCCCAGAGCCAAATGACACTAACTTATAGAAGGGGAGGGGGCAAAGGGCTTCTTC
CTCAGGCCAGCTCTTCTGAGGAGGCTCTGCCCTCTCCAGAGGTGCCAGACCGCGGATTTTATTTAGCAA
GCCCAGACCTTCCGGTCTAACGTCTCACACCACGACGGACTCCCCTTCCTAATAAAACTCAAAGACAAGA
ACGCGTAAGCGGCCGCGGCATCTAGATTCGAAGAAAATGACCGACCAAGCGACGCCCAACCTGCCATCA
CGAGATTTCGATTCCACCGCCGCCTTCTATGAAAGG

Restriction Sites: SgfI-MluI

OTI Disclaimer: Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).

Components: The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.

RefSeq: NM_002220.3

View online »

Summary: Regulates inositol phosphate metabolism by phosphorylation of second messenger inositol 1,4,5-trisphosphate to Ins(1,3,4,5)P4. The activity of the inositol 1,4,5-trisphosphate 3-kinase is responsible for regulating the levels of a large number of inositol polyphosphates that are important in cellular signaling. Both calcium/calmodulin and protein phosphorylation mechanisms control its activity. It is also a substrate for the cyclic AMP-dependent protein kinase, calcium/calmodulin- dependent protein kinase II, and protein kinase C in vitro. [provided by RefSeq, Apr 2011]

Locus ID: 3706

MW: 15.1