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Product datasheet for SC123716

ACK1 (TNK2) (BC008884) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ACK1 (TNK2) (BC008884) Human Untagged Clone
Tag:	Tag Free
Symbol:	ACK1
Synonyms:	ACK; ACK-1; ACK1; p21cdc42Hs
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF:

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>OriGene sequence for BC008884 edited
GGCACGAGGGGGATTTGGGGGGCTCCTGGGCAGAGTGCGAAGCTCCGGAGCCGAGGCCAC
TGGATCCCCAGTGACTGCTCGGGGGGGTCCCGCTGCGTGGAGATGCCGGCAGCACGTCGG
TTCCCTGGCCTGGAGCTCTCCTTCCCTCTCCTGGCCAGACTGCGGCGACGCCTGTACACA
AGGCTGGGAGGCGGCAGAATGCAGCCAGAGGAGGGCACAGGCTGGCTGCTGGAGCTGCTG
TCCGAGGTGCAGCTGCAACAGTACTTCCTGCGGCTCCGAGATGACCTCAACGTCACCCGC
CTGTCCCACTTTGAGTACGTCAAGAATGAGGACCTGGAGAAGATCGGCATGGGTCGGCCT
GGCCAGCGGCGGCTGTGGGAGGCTGTGAAGAGGAGGAAGGCCTTGTGCAAACGCAAGTCG
TGGATGAGTAAGGTGTTCAGTGGAAAGCGACTGGAGGCTGAGTTCCCACCTCATCACTCT
CAGAGCACCTTCCGGAAGACCTCGCCCGCCCCTGGGGGCCCAGCAGGGGAGGGGCCCCTG
CAGAGCCTCACCTGCCTCATTGGGGAGAAGGACCTGCGCCTCCTGGAGAAGCTGGGTGAT
GGTTCCTTTGTCGTGGTGCGCAGGGGCGAGTGGGACGCGCCCTCAGGGAAGACGGTGAGT
GTGGCTGTGAAGTGCCTGAAGCCCGATGTCCTGAGCCAGCCAGAAGCCATGGACGACTTC
ATCCGGGAGGTCAATGCCATGCACTCGCTCGACCACCGAAACCTCATCCGCCTCTACGGG
GTGGTGCTCACGCCGCCCATGAAGATGGTGACAGAGCTGGCACCTCTGGGATCGTTGTTG
GACCGGCTACGTAAGCACCAGGGCCACTTCCTCCTGGGGACTCTGAGCCGCTACGCTGTG
CAGGTGGCTGAGGGCATGGGCTACCTGGAGTCCAAGCGCTTTATTCACCGTGACCTGGCT
GCCCGCAATCTGCTGTTGGCTACCCGCGACCTGGTCAAGATCGGGGACTTTGGGCTGATG
CGAGCACTACCTCAGAATGACGACCATTACGTCATGCAGGAACATCGCAAGGTGCCCTTC
GCCTGGTGTGCCCCCGAGAGCCTGAAGCCGCCCTGGAGGGACATCAGTGCTTCCTCTTCC
ACCCAATTCCCCCACGCGGTTCCATGTTTTCCCACCAGCCTGTTGGCGAAGTTGCTGCTC
CGGCATTCAGTACCTGCTTCTTCCAGAGAAATAAAGTTAGTTTCTATTTTATGTTAAAAA
AAAAAAAAAAAAAAA
```


View online »

5' Read Nucleotide Sequence:

>OriGene 5' read for BC008884 unedited
NNNNNNNGAGTCAACATTTGTNAAACGACTCACTATAGGCGGCCGCGAATTCGCACGAGG
GGGATTTGGGGGGCTCCTGGGCAGAGTGCGAAGCTCCGGAGCCGAGGCCACTGGATCCCC
AGTGACTGCTCGGGGGGGTCCCGCTGCGTGGAGATGCCGGCAGCACGTCGGTTCCCTGGC
CTGGAGCTCTCCTTCCCTCTCCTGGCCAGACTGCGGCGACGCCTGTACACAAGGCTGGGA
GGCGGCAGAATGCAGCCAGAGGAGGGCACAGGCTGGCTGCTGGAGCTGCTGTCCGAGGTG
CAGCTGCAACAGTACTTCCTGCGGCTCCGAGATGACCTCAACGTCACCCGCCTGTCCCAC
TTTGAGTACGTCAAGAATGAGGACCTGGAGAAGATCGGCATGGGTCGGCCTGGCCAGCGG
CGGCTGTGGGAGGCTGTGAAGAGGAGGAAGGCCTTGTGCAAACGCAAGTCGTGGATGAGT
AAGGTGTTCAGTGGAAAGCGACTGGAGGCTGAGTTCCCACCTCATCACTCTCAGAGCACC
TTCCGGAAGACCTCGCCCGCCCCTGGGGGCCCAGCAGGGGAGGGGCCCCTGCAGAGCCTC
ACCTGCCTCATTGGGGAGAAGGACCTGCGCCTCCTGGAGAAGCTGGGTGATGGTTCCTTT
GTCGTGGTGCGCATGGGCGAGTGGGACGCGCCCTCAGGGAAGACGGTGAGTGTGGCTGTG
AAGTGCCTGAAGCCCGATGTCCTGAGCCAGCCAGAAGCCATGGACGACTTCATCCGGGAG
GTCAATGCCATGCACTCGCTCGACCACCGAAACCTCATCCGCCTCTACGGAGTGGTGCTC
ACGCCGCCCAT

Restriction Sites: Please inquire

ACCN: BC008884

Insert Size: 1275 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: BC008884.1, AAH08884.1

RefSeq Size: 1275 bp

Locus ID: 10188

Cytogenetics: 3q29

Protein Families: Druggable Genome, Protein Kinase

Gene Summary: This gene encodes a tyrosine kinase that binds Cdc42Hs in its GTP-bound form and inhibits both the intrinsic and GTPase-activating protein (GAP)-stimulated GTPase activity of Cdc42Hs. This binding is mediated by a unique sequence of 47 amino acids C-terminal to an SH3 domain. The protein may be involved in a regulatory mechanism that sustains the GTP-bound active form of Cdc42Hs and which is directly linked to a tyrosine phosphorylation signal transduction pathway. Several alternatively spliced transcript variants have been identified from this gene, but the full-length nature of only two transcript variants has been determined. [provided by RefSeq, Jul 2008]