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Product datasheet for MC224307

Ibtk (NM_001081282) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Ibtk (NM_001081282) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Ibtk
Synonyms:	5430411K16Rik; AA409502; BTKI; mKIAA1417
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224307 representing NM_001081282 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGATGCTGCCACCCCCGACTGCACGTCAAAATGCAGATCCCTGAAGCATGCGCTGGATGTCCTTTCTG TGGTGACAAAGGGGAGTGAGAGCCAGATCAAGTCCTTCCTCGCCAGGTACTGCTACAATGCTGCAACTGT CAAGGATGCCTTTGGCAGGAACGCCGGCCACCTGGCTTCCTCCTGCGGGAAGAAAGGAGTGTTGGACTGG CTGATTGAGAAAGGAGTGGACTTGCTGGTGAAAGACAAGGAGTCCGGCTGGACAGCACTGCACAGAAGCG TTTTTTATGGACATATCGATTGTGTTTGGTCTCTGTTGAAGCATGGTGTTAGCTTGTATATGCAAGATAA AGAAGGATTGTCACCTTTGGATCTTCTTATGAAGGACAGGCCAACTCATGTTGTATTTAAGGACACTGAT CCCACAGAAGTCTATACTTGGGGAGATAACACAAACTTCACTCTGGGCCACGGAAGCCAGAATAGCAAAC ATCACCCCGAGCTGCTGGACCTGTTCTCCAGGAGTGGGGTTTATGTCAAGCAGGTGGTGCTTTGCAAATT TCATTCGGTGTTTCTGTCCCAGAAAGGGCAGGTTTACACCTGTGGCCATGGTCGCGGAGGACGGTTAGGC CATGGAGATGAACAGACATGCTTGGTTCCCAGGCTTGTGGAAGGACTGTCTGGTCACAATTGTTCGCAAG TGGCAGCTGCTAAGGATCACACTGTTGTGTTAACTGATGATGGATGTGTCTATACATTTGGTCTCAACAT GTTTCACCAATTAGGAATTATTCCTCCACCTGCTAGTTGTAATGTACCCAGACAGATACAGGCAAAATAT CTGAAAGGAAGGACTATCATTGGAGTAGCAGCGGGCAGGTTTCATACGGTGCTGTGGACTCGAGAAGCCG TTTACACACTGGGACTGAATGGTGGACAGTTGGGTCACTTACTGGATCCCAATGGTGAAAAGTGTGTCAC AACCCCTCGCCAAGTCTCTGCCCTTCATCACAAGGATATCGCTGTGTCTTTGGTAGCTGCAAGTGATGGT GCCACAGTCTGTGTCACCACAAGGGGAGACATTTACTTACTTGCAGACTATCAGTGCAAGAAGATGGCAA CTAAACAACTGAACTTGAAAAAGGTTCTTGTCTCTGGAGGTTGTATGGAATACAAGGTTGATCCTGAACA TTTGACAGAAAATGGAGGTCAGAAAATATGTGTCCTCGCTATGGATGGAGCTGGAAGGGTGTTTTGCTGG AGATCAATCAGCAGTTCTCTGAAGCAGTGCCGATGGGCCTATCCTCGCCAGGTGTCAATCTCCGATATTG CTTTAAATAGAAATGAAATTCTGTTTGTCACACAGGATGGGGAAGGATTTAAAGGGAAATGGTTTGAAGA CAAAAGAAAGAATTCTGAAAAGAAAGCAGACATTTTACCAAACCTCCATCATTCCTCATCAGATGTGTCT TGTGTCCCTGATACAAATAGTGTGTATGAAAGAATTCGACTTGAGAAACTTCCTTTTGCCCATAGAGCTG

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TTAGTGTCAGCACAGATCCAAGTGGGTGCAACTTTGCAATCCTACAGTCAGACCCTAAAACAAGCCTTTA
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CATCCATTGTAGAAGAAGAGCGGCAACAAGAAGCTGCCCTCATCAGAAGCCGGGAGAAACCCTTGGCTCT
CATTCAGGTCGAGGAGCATGCAATACAAGACTTGCTGGTTTTCTATGAGGCATTTGGCAACCCCGAGGAG
TTTGTCGTCGTTGAAAGGGCACCACAGGGGCCTCTGGCAGTGCCTATGTGGAACAAGCATGGCTGCTAG

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites: SgfI-MluI

ACCN: NM_001081282

Insert Size: 4059 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:	NM_001081282.2, NP_001074751.1
RefSeq Size:	5679 bp
RefSeq ORF:	4059 bp
Locus ID:	108837
UniProt ID:	Q6ZPR6
Cytogenetics:	9 E3.1
Gene Summary:	Acts as an inhibitor of BTK tyrosine kinase activity, thereby playing a role in B-cell development. Down-regulates BTK kinase activity, leading to interference with BTK-mediated calcium mobilization and NF-kappa-B-driven transcription (By similarity).[UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longer protein (isoform 1).