

Product datasheet for SC111347

C3orf10 (BRK1) (NM_018462) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C3orf10 (BRK1) (NM_018462) Human Untagged Clone
Tag:	Tag Free
Symbol:	C3orf10
Synonyms:	C3orf10; hHBrk1; HSPC300; MDS027
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC111347 sequence for NM_018462 edited (data generated by NextGen Sequencing) ATGGCGGACAGGAGGATCCGGTGCAGCGGGAGATTCACCAGGACTGGGCTAACCGGGAG TACATTGAGATAATCACCAGCAGCATCAAGAAAATCGCAGACTTTCTCAACTCGTTTCGAT ATGTCTTGTCGTTCAAGACTTGCAACACTAAACGAGAAATTGACAGCCCTTGAACGGAGA ATAGAGTACATTGAAGCTCGGGTGACAAAAGGTGAGACTCACCTAG
5' Read Nucleotide Sequence:	Clone variation with respect to NM_018462.4 >OriGene 5' read for NM_018462 unedited ATTTTGTAAATACGACTACTATAGGGCGCCGCGAATTCGGCACGAGGGCGGCCATGGC GGGACAGGAGGATCCGGTGCAGCGGGAGATTCACCAGGACTGGGCTAACCGGGAGTACAT TGAGATAATCACCAGCAGCATCAAGAAAATCGCAGACTTTCTCAACTCGTTTCGATATGTC TTGTGCTTCAAGACTTGCAACACTAAACGAGAAATTGACAGCCCTTGAACGGAGAATAGA GTACATTGAAGCTCGGGTGACAAAAGGTGAGACTCACCTAGAACAGTGCCGTGCTGCT GCTGGGAAGTTGCTTTACACAACACAGGCCACATGGGAAAGGCCCCAGCAGCCTTCAGCT CCTTCCTTTCTCCTTAAAGAGCAACAGGGCTTATTCTTGTTTTTCTTTTTCAAAGTGT GGCCTTTGGGCTCTGCCATCTGGGGTGTGGTGTGGTATGTGGGAAGAAGTTCAGAGGAAC CGTTGGAACGACGTTAGGCATTTTACCTTTTTCAGTAACATTTTATACATCTACTTGTCA ATGTATTTGAGACATTCACAGCCAAAAGCCTGGGACTCTNTGTGAAGGTCTCCTCACCT CTATCTTTCTTTCTCTCTCTCAAACCTTCTTANAGTTCTCATTGCCTTTGCACTGCT TCTGTGAACAGTCTTTGTCTCCTCCACCTTTGGTGGGAAGTGGGNGCAGTCTGGTC AAGACTCATGCCCTGGCAATGTGGCTGCCAGAGATGGTGTGTAACCAACAGTTTCT TGNTGATTTGGAGAGTCAAGCCACGCCCACTTGGCTTGAGGGACATTTTCAGACTTTCTT TCTGACTTGGATGGCTATCCTCTCATTTTCCCTATAAACC
Restriction Sites:	NotI-NotI



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ACCN:	NM_018462
Insert Size:	2250 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:	<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:	NM_018462.4 , NP_060932.2
RefSeq Size:	1197 bp
RefSeq ORF:	228 bp
Locus ID:	55845
UniProt ID:	Q8WUW1
Cytogenetics:	3p25.3
Protein Pathways:	Regulation of actin cytoskeleton
Gene Summary:	Involved in regulation of actin and microtubule organization. Part of a WAVE complex that activates the Arp2/3 complex. As component of the WAVE1 complex, required for BDNF-NTRK2 endocytic trafficking and signaling from early endosomes (By similarity). [UniProtKB/Swiss-Prot Function]