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Product datasheet for MC224969

Crocc (NM_001145958) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Crocc (NM_001145958) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Crocc
Synonyms:	KIAA0445
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>MC224969 representing NM_001145958 Red=Cloning site Blue=ORF Orange=Stop codon TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGGCCTCACTGCTGTCGCTGCAGGAGGAAAACCAGCTGCTGCAGCAGGAGCTGTCCCGCGTGGAGGACC TGCTGGCCCAGAGCCGCGCAGAGCGGGATGAGCTGGCCATCAAGTACAATGCTGTCAATGAGAGGGACAC AGAACACAGCCAGGACCTGGACAGCGCTCTTCTGCGCCTAGAGGAGGAACAGCAGAGAAGTGCCAGCCTG GCCCAGGTGAATGCCATGCTGAGAGAGCAGCTGGACCAGGCCAACTTGGCCAACCAGGCTCTGAGCGAGG ACATACGCAAGGTGACCAGTGACTGGACCCGCAGCTGTAAGGAGCTGGAGCAGCGGGAGGCAGTGTGGAG GCGCGAGGAAGAGTCCTTCAACACCTACTTCAGCAGCGAGCACAGCCGCCTGCTCCGCCTCTGGAGGCAG GTCATGGGGCTCCGACGGCAGGCCAGCGAGGTGAAGATGGGCACGGAGAGGGACTTGTTGCAGCTGGGCG GGGAGCTCGTCCGCACATCCCGGGCTGTCCAGGAGCTGGGCCTCGGACTGAGTGCCAGCCTGCATCGGGC TGAGAGCAAGGCAGAGGCAGCTCTGGAGAAGCAAAAGCTGCTGCAGGCCCAACTAGAGGAGCAGCTACAG GCCAAGCTGCTCCGGGAGAAGGACCTGGCCCAACTGCAGGTGCAGAGTGACCTGGACAAGGCTGATCTCA GTGCCAGAGTGACAGAGCTGGCCCTGTCCGTGGAGCACCTTCAGAATCAGAACTCAGAGAAGGACCAGGT CAACAGGACCCTCTCTGACAAGCTGGAGGCCCTGGAGTCACTGCGGCTTCAGGAACAGACAACCCTGGAC ACTGAGGATGGAGAGGGGCTGCAGCAGACCCTGAGGGACCTGGCACAGGCTGCCCTATCTGACACTGAGA GTGGTGTGCAGCTCAGCAGCTCAGAGCGCACTGCGGACACCTCTGACGGCAGCCTGCGCGGGTTCTCTGG CCAGCGGACTCCAACTCCACCGCGGCATTCTCCGGGTCGAGGTCGTTCTCCGCGCCGAGGCCTGTCCCCA GCCTGCTCCGACTCCTCCACACTCACGCTGATCCACTCAGCCCTGCACAAGCGCCAGCTACAGGTTCAGG ACATGCGTGGACGCTATGAAGCCAGCCAAGAACTGCTGGGTTCCGTACGCAAGCAGCTCAGTGACAGTGA GGGCGAGCGGCGTGGCCTGGAGGAGCAGCTACAGCGCCTGCGGGACCAGACAGCAGCCTCAGCCCAGGCC CAAGAGGATGCGCAGCGCGAGGCCCAGCGCCTACGCAGTGCCAACGAGCTCCTGAGCAGGGAGAAGGGGA ACCTGACCCACAGCCTGCAGGTGACCCAGCAGCAAGCTAAGGAGCTGCGCCAGGAGCTGGAGAAGCTGCA GGCTGCCCAGGAGGAGCTGAAACGTCAGCATAACCAACTGGAGGACGCGCAGGAGGACTCGGTGCAGGAG GGCGCCCGGGCCCGCCGGGAGCTGGAGCGCAGCCATAGGCAGCTGGAACAGCTGGAGGTGAAGCGCTCAG

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ACAAGGATGACGACGATAAGGTTTAA

Restriction Sites:	SgfI-MluI
ACCN:	NM_001145958
Insert Size:	5538 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_001145958.1, NP_001139430.1
RefSeq Size:	6282 bp
RefSeq ORF:	5538 bp
Locus ID:	230872
UniProt ID:	Q8CJ40
Cytogenetics:	4 D3
Gene Summary:	Major structural component of the ciliary rootlet, a cytoskeletal-like structure in ciliated cells which originates from the basal body at the proximal end of a cilium and extends proximally toward the cell nucleus (PubMed:12427867). Furthermore, is required for the correct positioning of the cilium basal body relative to the cell nucleus, to allow for ciliogenesis (By similarity). Contributes to centrosome cohesion before mitosis (By similarity). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (2) differs in the 5' UTR and coding sequence compared to variant 1. The resulting isoform (2) is shorter at the N-terminus and lacks an alternate internal segment compared to isoform 1.