

Product datasheet for SC319802

C5orf45 (MRNIP) (NM_016175) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C5orf45 (MRNIP) (NM_016175) Human Untagged Clone
Tag:	Tag Free
Symbol:	C5orf45
Synonyms:	C5orf45
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene sequence for NM_016175.3 <pre>GCACAAGCAGGGATGGCGTCGCTTCAGCGTTCTCGGGTGCTACGCTGCTGCAGCTGCCGC CTCTTCCAGGCGCACCAGGTAAAAAGAGTGTCAAGTGGACATGCAAAGCTTGTGGAGAG AAGCAGTCCTTTTTGCAGGCTTATGGTGAAGGCTCTGGTGCTGATTGTAGACGCCATGTC CAAAAGTTAAATCTACTACAGGGACAAGTTTCAGAGCTGCCACTCAGGTCTCTAGAAGAA ACTGTCACTGCCAGTGAAGAAGAAAACGTGGGACACCAGCAGGCTGGGAATGTGAAGCAG CAGGAAAAATCGCAGCCCTCAGAGAGTCGCTGGCTGAAGTATCTAGAAAAGGACTCCCAA GAACTGGAGCTGGAAGGAACAGGAGTGTGTTTCAGCAAACAGCCTTCATCCAAAATGGAG GAGCCAGGCCCGCTTCAGTCAAGACCTGCCTAGAAAAAGGAAGTGGAGCGGGAGCACC GTCCAGCCTCCGTGCAGCCGTGGCGTGCAGGACTCGGGTGGCTCTGAGGTCGCCTGGGGA CCCCAGAAGGGACAGGCTGGCCTGACATGGAAGGTGAAACAAGGCAGCAGCCCTGCCTC CAGGAGAACTCTGCAGACTGCAGTGCCGGGGAGCTGAGGGGTCTGGGAAGGAGCTATGG AGTCCCATCCAGCAGGTTACAGCCACATCCTCTAAATGGGCGCAATTTGTCTGCCACCT AGAAAAAGTTACATGTGGACAGTGAGCAGCCAAGGTCTCTTCAGAGGGACCCAGGCCA GCTGGTCCAGCACAGGCTAAGCAAGGGACCCCAAGCAGCAGGCTCAAGAGAAGGCCTC AGCAGGCCCACTGCCGTGTCCAGCTTCTCGGGCCACACACCCCGTCACATCTGGGTCT GAGAGGCCTTGCGGGAAGACCTCATGGGACGCAAGGACTCCCTGGGCAGAGGGTGGGCCC CTGGTCTGGAGGCACAGAATCTCGACCCACACGACTATGTGACCTCTTTATAACTGGG GAAGACTTCGATGATGATGTGTGATCTGGGACTGGCAGGTTATTAATCGAGATACACTTG TTAGGAGGACAGGGTTCCCTAAGGCACTTTTAAAGATACTCTGTAAGAACCATTAAACA ATAAACTTACTGTCAATCAAAAAAAAAAAAAAAAAA</pre>
Restriction Sites:	Please inquire
ACCN:	NM_016175


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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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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:	<u>NM_016175.3, NP_057259.2</u>
RefSeq Size:	1229 bp
RefSeq ORF:	1032 bp
Locus ID:	51149
UniProt ID:	<u>Q6NTE8</u>
Cytogenetics:	5q35.3
Gene Summary:	Plays a role in the cellular response to DNA damage and the maintenance of genome stability through its association with the MRN damage-sensing complex (PubMed:27568553). Promotes chromatin loading and activity of the MRN complex to facilitate subsequent ATM-mediated DNA damage response signaling and DNA repair (PubMed:27568553). [UniProtKB/Swiss-Prot Function] Transcript Variant: This variant (1) encodes the longest isoform (1).