

Product datasheet for SC317350

CNOT7 (NM_054026) Human Untagged Clone

Product data:

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| Product Type: | Expression Plasmids |
| Product Name: | CNOT7 (NM_054026) Human Untagged Clone |
| Tag: | Tag Free |
| Symbol: | CNOT7 |
| Synonyms: | CAF-1; CAF1; Caf1a; hCAF-1 |
| Mammalian Cell Selection: | Neomycin |
| Vector: | pCMV6-Entry (PS100001) |
| E. coli Selection: | Kanamycin (25 ug/mL) |
| Fully Sequenced ORF: | >SC317350 representing NM_054026. Blue=Insert sequence Red=Cloning site Green=Tag(s) |

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
 ATGCCAGCGGCAACTGTAGATCATAGCCAAAGAATTTGTGAAGTTTGGGCTTGCAACTTGGATGAAGAG
 ATGAAGAAAATTCGTCAAGTTATCCGAAAATATAATTACGTTGCTATGGACACCGAGTTTCCAGGTGTG
 GTTGCAAGACCCATTGGAGAATTCAGGAGCAATGCTGACTATCAATACCAACTATTGCGGTGTAATGTA
 GACTTGTTAAAGATAATTCAGCTAGGACTGACATTTATGAATGAGCAAGGAGAATACCTCCAGGAAT
 TCAACTTGGCAGTTTAATTTTAAATTTAATTTGACGGAGGACATGTATGCCAGGACTCTATAGAGCTA
 CTAACAACATCTGGTATCCAGTTTAAAAACATGAGGAGGAAGGAATTGAAACCCAGTACTTTGCAGAA
 CTTCTTATGACTTCTGGAGTGGTCTCTGTGAAGGGGTCAAATGGTTGTCATTTATAGCGGTTACGAC
 TTTGGCTACTTAATCAAAATCCTAACCAACTCTAATTGCCTGAAGAAGAACTTGACTTCTTTGAGATC
 CTTGATTGTTTTTCTGTCAATTTATGATGTGAAGTACCTCATGAAGAGCTGCAAAAATCTCAAAGGT
 GGATTACAGGAGGTGGCAGAACAGTTAGAGCTGGAACGGATAGGACCACAACATCAGGCAGGATCTGAT
 TCATTGCTCAGGAATGGCCTTTTCAAATGAGAGAAGTATGA
 ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

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| Restriction Sites: | SgfI-MluI |
| ACCN: | NM_054026 |
| Insert Size: | 735 bp |


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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: | <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: | <u>NM_054026.3</u> |
| RefSeq Size: | 1990 bp |
| RefSeq ORF: | 735 bp |
| Locus ID: | 29883 |
| UniProt ID: | <u>Q9UIV1</u> |
| Cytogenetics: | 8p22 |
| Domains: | CAF1 |
| Protein Families: | Transcription Factors |
| Protein Pathways: | RNA degradation |
| MW: | 28.2 kDa |
| Gene Summary: | <p>The protein encoded by this gene binds to an anti-proliferative protein, B-cell translocation protein 1, which negatively regulates cell proliferation. Binding of the two proteins, which is driven by phosphorylation of the anti-proliferative protein, causes signaling events in cell division that lead to changes in cell proliferation associated with cell-cell contact. The encoded protein downregulates the innate immune response and therefore provides a therapeutic target for enhancing its antimicrobial activity against foreign agents. Alternative splicing of this gene results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 1 and X. [provided by RefSeq, Apr 2016]</p> <p>Transcript Variant: This variant (2) contains an alternate 3' terminal exon and thus differs in the 3' coding region and 3' UTR, compared to variant 1. The encoded isoform (2) has a distinct and shorter C-terminus, compared to isoform 1. Variants 2, 3, 4 and 5 all encode isoform 2.</p> |