

Product datasheet for **SC309435**

Cullin 7 (CUL7) (NM_014780) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: Cullin 7 (CUL7) (NM_014780) Human Untagged Clone
Tag: Tag Free
Symbol: CUL7
Synonyms: 3M1; CUL-7; dj20C7.5; KIAA0076
Vector: pCMV6 series
Fully Sequenced ORF: >NCBI ORF sequence for NM_014780, the custom clone sequence may differ by one or more nucleotides

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ATGGTGGGAGA ACTCCGCTACAGGGAATTCAGGGTGCCTGGGGCCCGGCTTACATGCC
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TCCCTTCTAGAAGCCCAAGAAGATGTCCTCCTGCTAGACGCGCAGGCCAGGCTAAGGAC
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CGGGGTGTGCCCTATGCCTCCTGCACTGCCACCCAGAGCTTCTCTACCTCCGGTAG
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Restriction Sites:	Please inquire
ACCN:	NM_014780
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:	NM_014780.3 , NP_055595.2
RefSeq Size:	5491 bp
RefSeq ORF:	5097 bp
Locus ID:	9820
UniProt ID:	Q14999
Cytogenetics:	6p21.1
Protein Pathways:	Ubiquitin mediated proteolysis
Gene Summary:	<p>The protein encoded by this gene is a component of an E3 ubiquitin-protein ligase complex. The encoded protein interacts with TP53, CUL9, and FBXW8 proteins. Defects in this gene are a cause of 3M syndrome type 1 (3M1). Two transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Dec 2009]</p> <p>Transcript Variant: This variant (2) uses alternate splice junctions at the 3' end of two different exons compared to variant 1. One alternate splice junction causes a frameshift compared to variant 1 while the other does not. The resulting isoform (2) has a longer N-terminus and contains an alternate segment compared to isoform 1.</p>