

Product datasheet for **SC327580**

FAN1 (NM_001146096) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAN1 (NM_001146096) Human Untagged Clone
Tag:	Tag Free
Symbol:	FAN1
Synonyms:	hFAN1; KIAA1018; KMIN; MTMR15
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF:	>NCBI ORF sequence for NM_001146096, the custom clone sequence may differ by one or more nucleotides <pre> ATGATGTCAGAAGGGAACCTCCTGACAAAAAAGGCCTCGTAGAAGCTTATCAATCAGC AAGAATAAGAAAAAGCATCTAATTCTATTATTCGTGTTTTAACAAATGCACCACCTGCT AAACTTGCTGCCCGTTTGCAGTAAAAATGGTGCTAGATGACTTAAACCGGCACCTT GATGAAATGTGTGCTAACAATGACTTCGTTCAAGTGGATCCAGGGCAGGTTGGCTTAATA AATTCAAATGTGTCTATGGTAGATTTAACCAAGTTACCTTAGAAGATGTAACACCTAAG AAGTCACCACCACCAAGACAAATTTAACCCCTGGCCAAAGTGATTAGCAAAAAAGGGA GTAAAGCAGAAGATCAGTCCCTACTTTAAAAGTATGATGTGGTGTGCAAAAAATCAAGAT GAGCTGAGAAATCGTAGTGTGAAAGTCATTTGTTTGGGAGCCTAGCATCTAAATTGTCC AGAAAAATCGTAAAGGCTAAAAATCAATAGATAAGGATGAAGAATTTGCCGTTCTAGT CCACAGAGTTCCAAATCCACAGTTGTTAAGAGCCTGATTGATAACTCTTCAGAAATTGAG GACGAGGATCAAATTTTGGAGAACAGTTCTCAAAAAGAAAACGTGTTAAATGTGATTCT CTAAAGGAAGAGTGCATTCTGAACATATGGTAAGAGGAAGTAAAATAATGGAAGCCGAA AGCCAAAAGGCTACCCGGAATGTGAGAAATCAGCCCTCACCCCTGGATTCTCAGATAAT GCGATCATGTTATTCTCACCAGATTTCACTCTTAGGAATACATTAAGTCTACTTCAGAA GACAGTCTTGTAAGCAAGAGTGTATCAAAGAAGTGGTTGAAAAACGTGAGGCATGTCAT TGTGAAGAAGTAAAAATGACTGTTGCTTCAGAAGCTAAAATACAGCTGTGAGATTGAGAG GCAAAATCTCATAGTTCTGCAGATGATGCTTCTGCATGGAGTAACATCCAAGAGGCTCCT CTGCAGGATGACAGTTGCTTAAACAATGATATCCCTCACAGCATTCCTTTGGAGCAGGGG TCAAGCTGCAATGGTCTGGTCAAACAACCGGTCATCCTTACTACCTTCGGAGTTTCCTT GTGGTGTGAAAAACCGTACTTGAGAATGAAGATGATATGTTGCTCTTTGATGAGCAGGAG AAGGGAATTGTAACATAAATTTATCAGTTATCAGCTACTGGTCAGAAGTTATATGTAAGG CTCTTTCAACGTAAATTAAGCTGGATTAAGATGACCAAAATTAGAGTATGAAGAGATTGCC TTAGACTTAACACCTGTGATTGAAGAATTGACGAATGCAGGCTTTCTACAGACAGAATCT GAGTTGAAGAATCTCTGAAGTCTTGAACCTCTTCTGCTCCTGAACTAAAATCCCTA GCCAAGACCTTCCACTTGGTGAATCCCAATGGACAGAAACAGCAGCTGGTGGACGCCCTT CTCAAATTGGCCAAACAGCGTTCAGTCTGCACTTGGGGCAAGAATAAGCCTGGAATTGGT GCAGTGATTTTAAAAAGGTTTTGTTGGCTATTGTTACAG </pre>
Restriction Sites:	Please inquire
ACCN:	NM_001146096
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_001146096.1, NP_001139568.1</u>
RefSeq Size:	2864 bp
RefSeq ORF:	1602 bp
Locus ID:	22909
UniProt ID:	<u>Q9Y2M0</u>
Cytogenetics:	15q13.3
Gene Summary:	This gene plays a role in DNA interstrand cross-link repair and encodes a protein with 5' flap endonuclease and 5'-3' exonuclease activity. Mutations in this gene cause karyomegalic interstitial nephritis. Alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Feb 2016] Transcript Variant: This variant (4) differs in the 5' UTR, 3' UTR, and 3' coding region, compared to variant 1. The resulting isoform (b) has a distinct C-terminus and is shorter than isoform a. Variants 2, 3 and 4 encode the same isoform (b).