

## Product datasheet for **SC310134**

### **NUP88 (NM\_002532) Human Untagged Clone**

#### **Product data:**

Product Type:	Expression Plasmids
Product Name:	NUP88 (NM_002532) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP88
Synonyms:	FADS4
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:** >OriGene sequence for NM\_002532 edited  
 ATGGCGGCCGCCGAGGGACCCGGTGGGCGACGGCGAGCTGTGGCAGACCTGGCTTCTTAAC  
 CACGTCGTGTTCTTGGCGCTCCGGGAGGGACTGAAAAACCAGAGTCCAACCGAAGCTGAG  
 AAACCAGTCTTCTCGTCGTTGCCTTCGTCGCCGCCGCCGAGTTGCTGACGAGAAACGTG  
 GTCTTTGGCCTCGGCGGAGAGCTTTTCTGTGGGACGGAGAAGACAGCTCCTTCTTAGTC  
 GTTCGCCTTCGGGGCCCCAGCGCGCGCGCAAGAGCCCGCCTGTCCCAGTACCAGAGA  
 TTGCTTTGCATAAATCCACCCCTGTTTGAATCTATCAAGTCTTGTTAAGCCCAACACAA  
 CATCATGTAGCACTTATAGGAATAAAAGGACTTATGGTATTAGAATTACCTAAAAGATGG  
 GGAAGAATTCTGAATTTGAAGGTGAAAAATCAACAGTGAATTGTAGTACCACTCCAGTT  
 GCGGAGAGATTTTACCAGTTCACCTCTCTGACTCTAAAGCATGCTGCATGGTATCCA  
 AGTGAAATCCTGGATCCACAGTGTGCTGTTAACATCAGACAACGTAATCAGAATTTAC  
 TCACTACGTGAGCCGACACCCACTAACGTGATAATACTTTCAGAAGCCGAAGAGGAA  
 AGTCTAGTACTCAATAAAGGAAGGGCGTATACCGCATCTTAGGAGAGACAGCAGTTGCA  
 TTTGACTTTGGGCCATTGGCAGCAGTCCAAAGACTCTATTTGGACAAAACGGCAAAGAT  
 GAAGTAGTGGCATACCCACTGTACATCTTATATGAAAATGGAGAGACTTCTGACATAC  
 ATCAGTCTGTTACACAGCCCTGGAATATTGAAAAGCTGTTGGGTCCATTGCCCATGCAT  
 CCTGCGGCTGAAGATAACTATGGTTATGATGCGTGTGCTGTACTCTGCTTACCCTGTGTC  
 CCCAATATCTTAGTGATCGCTACTGAATCAGGAATGCTGTATCACTGTGTCGTGCTAGAA  
 GGGGAAGAAGAAGATGACCACACGTGAGAAAAGTCTGGGATTCCAGGATTGACCTCATT  
 CCTTCTCTGTATGTGTTGAATGTGTTGAGTTGGAGCTTGCTTTGAAACTGGCATCTGGA  
 GAGGATGACCCCTTTGATTCTGACTTTTCTGTCCAGTCAAATTCATAGAGATCCCAAG  
 TGTCTTCAAGATCACTGTACTCATGAAGCTGGTGTACATAGTGTGGGCTAACTTGG  
 ATTCATAAACTTCAAAAATTTCTGGATCAGATGAAGAAGATAAGGATAGTTTACAGGAA  
 CTCTCTACAGAACAGAAATGCTTTGTTGAACACATCCTTTGTACGAAGCCATTGCCCTGC  
 AGGCAGCCAGCTCCAATTCGAGGATTTTGGATTGTACCTGACATTCTGGGACCCACGATG  
 ATCTGCATCACCAGTACCTATGAATGCCTCATATGGCCGTTATTAAGTACAGTCCATCCA  
 GCGTCTCCTCCCCTGCTTTGTACTCGAGAAGATGTTGAAGTGGCAGAGTCTCCCCTCCGT  
 GTTCTGGCTGAAACCCAGATTCTTTGAAAAGCATATTAGAAGCATTGCAACGTAGT  
 GTTGCCAAATCCAGCATTTTGAAGCTTCTGAAAAGGACATAGCCCTCCTCTGAAAGAA  
 TGCCCTCAGTCTCAGCAGAGCCACCCAGGTGTTGAGAGCAGTACATTCTCAACAG  
 GACTTGGCAAAGGAGGAGATTGAGCGGAGGGTCAAATTTATGTGACCAAAAAAAGAAA  
 CAACTAGAAGATCTCAGTTATTGTGAGAAGAGAGGAAAAGTCTCGGGGAAATGGCTGAG  
 CGTTTAGCTGACAAATATGAGGAAGCTAAAGAAAAACAAGAGGATATCATGAACAGGATG  
 AAAAACTACTTCACAGTTTTCACTCTGAGCTCCAGTTCTCTCTGATAGTGAGCGAGAC  
 ATGAAGAAAGAATTACAGCTGATACCTGATCAACTTCGACATTTGGGCAATGCCATCAA  
 CAGGTTACTATGAAAAAGGATTATCAACAGCAAAAAGATGGAGAAGGTGTTGAGTCTTCCA  
 AAACCCACCATTATTCTCAGTGCCTACCAGCGAAAAGTGCATTGAGTCCATCCTGAAAGAG  
 GAGGGTGAACATATAAGGGAAATGGTGAAGCAAATCAATGATATCCGCAATCATGTAAC  
 TTCTGA

**Restriction Sites:** Please inquire

**ACCN:** NM\_002532

**Insert Size:** 2200 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).

<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<a href="#">NM_002532.3</a> , <a href="#">NP_002523.2</a>
<b>RefSeq Size:</b>	2381 bp
<b>RefSeq ORF:</b>	2226 bp
<b>Locus ID:</b>	4927
<b>UniProt ID:</b>	<a href="#">Q99567</a>
<b>Cytogenetics:</b>	17p13.2
<b>Gene Summary:</b>	<p>The nuclear pore complex is a massive structure that extends across the nuclear envelope, forming a gateway that regulates the flow of macromolecules between the nucleus and the cytoplasm. Nucleoporins, a family of 50 to 100 proteins, are the main components of the nuclear pore complex in eukaryotic cells. The protein encoded by this gene belongs to the nucleoporin family and is associated with the oncogenic nucleoporin CAN/Nup214 in a dynamic subcomplex. This protein is also overexpressed in a large number of malignant neoplasms and precancerous dysplasias. Alternative splicing results in multiple transcript variants encoding different isoforms. [provided by RefSeq, Mar 2016]</p> <p>Transcript Variant: This variant (2) uses an alternate in-frame splice site in the 3' coding region compared to variant 1. The encoded isoform (2) is shorter than isoform 1. Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.</p>