

Product datasheet for SC304297

NUP188 (NM_015354) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP188 (NM_015354) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP188
Synonyms:	hNup188; KIAA0169; SANDSTEF
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC304297 representing NM_015354. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGCATCGCC**
 ATGGCGGCGGCCGCCGGCGGCCGTGTGTGAGGAGCAGTAGAGAAGTGTGGACTATTCTGCTTGAAGG
 TCAGCTCTGAGAGAGCTGAGTCAGATTGAGGCAGAACTGAATAAACATTGGCGGCGATTGTTAGAGGGG
 CTTTCTTACTACAAACCTCCAGTCCAAGTTCAGCTGAAAAAGTAAAGCTAATAAAGATGTAGCTTCA
 CCATTGAAGGAAGTGGTTTAAAGATCAGCAAGTTTTTGGGTCTTGATGAAGAACAGAGTGTGCAGTTA
 CTCCAGTGTACCTGCAAGAGGACTACAGGGTACTCGGACTCAGTAAGACAGTACTGCAAGATGAG
 AGGCAGAGCCAGGCCTTAATCCTGAAGATTGCAGATTATTATTATGAAGAAAGAACCTGTATTCTCGT
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 GACTTACTTGTATTAACCAAGATGTTTAAAGAGCAAGGATTTGGTAGTAGGCAGACCAATAGGCACCTG
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 GCCAAAAAGGTGTATAGCTTCTTGGATAAGATGTCTTTCTACAATGAACCTTTATAACACAAGCCTCAT
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GGTCAAACCAACCTTCGCATACCTCAAGGCACTGTGGGCCAAGTAATGTTGGATGATAGGGCATACCTG
GTACGCTGGGAATACTCTATAGCAGCTGGACCCTCTTTACCTGCGAGATTGAAATGTTGCTTCATGTT
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CCTAGTGCCTCTCGGAAGTCCCTGGATGCCCCCTCTTGCCAGGAGTCTACCGCTGTCCATGTCCCTG
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CAGGAGCGGACCTTACAGTGCCTCAACGCAGTGAGGACAGTGCAGAGTCTGGCCTGCCTGGAGGAGCG
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AAGATGCTGCAGATTACTTACAGAACAAAAATGGGGATGGCCTCCCCTCAGCTGTTGCCAGCGAGTC
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TCAGAGCAGCAGGCTTGACACAGTCCAGTATGGCCTTCTCAAGATCCTCAGCAAGACGCTGGCAGCC
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GCAGTGGGGCTCAGCACACAGGCAGAAGGGACCAGGACGTTAAAGTCCCTCCTGATGTTTACCATGGAA
AACTGCTTCTACCTGCTCATCTCTCAGGCGATGCGGTACCTTAGGGACCCGGCTGTGCACCCCGGGAC
AAACAGCGGATGAAGCAGGAGCTCAGCTCTGAGTTGAGCACGCTGCTGTCCAGCTCTCGCGCTACTTC

CGCCGGGAGCCCCAGCTCCCCTGCCACTGGTGTCTCCCTCGCCGAGGGCAAGTCCACCTCTCTC
TCCAAAGCCAGCCCTGAGAGTCAGGAGCCTCTGATCCAGTTGGTGCAGGCGTTTGTCCGGCATATGCAA
AGATAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites:	Sgfl-MluI
ACCN:	NM_015354
Insert Size:	5250 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).
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_015354.2</u>
RefSeq Size:	5710 bp
RefSeq ORF:	5250 bp
Locus ID:	23511
UniProt ID:	<u>Q5SRE5</u>
Cytogenetics:	9q34.11
MW:	196 kDa

Gene Summary:

The nuclear pore complex (NPC) is found on the nuclear envelope and forms a gateway that regulates the flow of proteins and RNAs between the cytoplasm and nucleoplasm. The NPC is comprised of approximately 30 distinct proteins collectively known as nucleoporins. Nucleoporins are pore-complex-specific glycoproteins which often have cytoplasmically oriented O-linked N-acetylglucosamine residues and numerous repeats of the pentapeptide sequence XFXFG. However, the nucleoporin protein encoded by this gene does not contain the typical FG repeat sequences found in most vertebrate nucleoporins. This nucleoporin is thought to form part of the scaffold for the central channel of the nuclear pore. [provided by RefSeq, Jan 2013]