

Product datasheet for SC307802

NUP43 (NM_198887) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP43 (NM_198887) Human Untagged Clone
Tag:	Tag Free
Symbol:	NUP43
Synonyms:	bA350J20.1; p42
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307802 representing NM_198887. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGGAATTCGTGCTGCTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGGAGGAAATTTATGCGAAGTTTGTGTCCAGAAAATCAGCAAAACCCGCTGGCGACCGCTGCCTCCG
 GGAAGTTTACAGACCGCGGAGACGTTTCGTACAGGATCTTGGGACAATGAGGAAAATTATATTTCACTG
 TGGTCTATTGGAGATTTGGAACTTGGACTCTGATGGAGGGTTTGAAGGAGACCATCAGTTATTGTGT
 GATATCAGACACCATGGTGATGTAATGGATTTACAGTTTTTTGACCAGGAAAGAATTGTCGCTGCTTCA
 TCAACAGGATGTGAACAGTTTTCTTCACCATCAAATAACCAGACTCTGTCAGTCAACCAGCAGTGG
 ACTACAGCTCACTACCACACAGGCCCTGGCAGTCCTTCTATAGCAGTGCACCATGTACAGGTGTTGTG
 TGCAACAACCCAGAAATCGTTACAGTTGGAGAGGATGGTCAATAAATCTCTTCAGAGCTGATCACAAG
 GAAGCTGTAAGAACCATAGACAATGCAGATAGTAGTACACTCCATGCTGTAACCTTTCTTCGAACTCCT
 GAGATTCTTACTGTAATTCAATTGGACAGTTGAAAATATGGGATTTTCAGACAACAAGGAAATGAGCCT
 TCTCAGATATTGTCACTGACTGGTGACCGAGTGCCACTCCACTGTGTTGATAGACATCCCAACCAACAG
 CATGTTGTAGCTACTGGTGGCCAAGATGGAATGTTGAGTATTTGGGATGTTAGACAAGGTACTATGCCT
 GTATCTCTGCTGAAGGCTCATGAAGCTGAAATGTGGGAAGTTCACTTTCACCCATCCAACCCAGAACAT
 CTTTTTACCTGCTCTGAAGATGGATCCCTCTGGCACTGGGATGCTTCCACAGATGTACCTGAAAAGTCG
 TCACTCTTTACCAAGGAGGAAGAAGCAGTACTTTTTGTCTCATAGCATTAGTAACCAAGCTAATGTT
 CACAGTCTGTATTAGCTCCTGGCTCAGCACTGATCCTGCAAAAGACCGAATTGAAATCACAAGCTTA
 CTTCCAGTAGGTCTCTGTCTGTGAACACTTTGGATGTTTTAGGTCTTGTCTTGTGTTGTGGAACCGAT
 GCAGAAGCAATTTATGTTACTAGACATCTTTTTCTG**TAG**
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC

Restriction Sites: SgfI-MluI


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ACCN:	NM_198887
Insert Size:	1143 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_198887.2</u>
RefSeq Size:	3894 bp
RefSeq ORF:	1143 bp
Locus ID:	348995
UniProt ID:	<u>Q8NFH3</u>
Cytogenetics:	6q25.1
MW:	42.2 kDa
Gene Summary:	Bidirectional transport of macromolecules between the cytoplasm and nucleus occurs through nuclear pore complexes (NPCs) embedded in the nuclear envelope. NPCs are composed of subcomplexes, and NUP43 is part of one such subcomplex, Nup107-160 (Loiodice et al., 2004 [PubMed 15146057]).[supplied by OMIM, Mar 2008] Transcript Variant: This variant (1) represents the longer transcript and encodes the supproted protein.