

Product datasheet for SC335251

Nup53 (NUP35) (NM_001287584) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup53 (NUP35) (NM_001287584) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nup53
Synonyms:	MP-44; MP44; NP44; NUP53
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335251 representing NM_001287584. Blue=Insert sequence Red=Cloning site Green=Tag(s)

GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGGCCGGAATTCGTCGACTG
 GATCCGGTACCGAGGAGATCTGCCGCC**CGATCGCC**
 ATGATGCTGGGTTACCCACATCTCAAAGCCAGGAGTTAATGCCAGTTCTTACCTGGATTTTAAATG
 GGGGATTTGCCAGCTCCGGTGACTCCACAACCTCGATCAATTAGTGGCCCTTCAGTAGGAGTAATGGAA
 ATGAGATCACCTTTACTTGCAGGTGGGTCAACCACACAACCAAGTTGTACCAGCTCATAAAGATAAAAGT
 GGCGCTCCACCAAGTTAGAAGTATATATGATGACATTTCTAGCCCAAGGACTTGGATCAACACCTTTAACT
 TCAAGAAGACAGCCAAACATTTTCAGTAATGCAGAGTCCTTGTGGAGTTACATCTACTCCTGGAACA
 GGGCAAAGTATGTTTAGTCCAGCAAGTATCGGTACGCCACGAAAGACGACATTATCTCCTGCCAGTTG
 GATCCTTTTTTATACTCAAGGAGATTCTTTGACTTCAGAAGATCACCTCGATGACTCTTGGGTGACTGTA
 TTTGGGTTTCTCAAGCATCTGCTTCTACATATTACTACAATTTGCACAGTATGGGAATATCTTAAAA
 CATGTGATGTCTAATACAGGAAATTGGATGCATATTCTGTTATCAATCTAACTGCAGGCTCGGAAAGCC
 TTAAGCAAAGATGGGAGGATTTTGGAGAATCCATCATGATTGGTGTAAAACCATGTATTGACAAAAGT
 GTTATGGAAGCAGTGACAGATGTGCTTATCATCTCCATCTTTAGCCTTTACACCACCAATCAAACT
 CTAGGTACACCAACACAACCTGGAAGTACTCCTAGGATTTCTACCATGAGACCTCTTGCTACAGCATAC
 AAAGCCTCTACTAGTGATTATCAGGTTATTTCTGACAGACAAACGCCAAAAAAGATGAAAGTCTTGTA
 TCCAAGCAATGGAGTACATGTTTGGCTGGTAG
ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
 TACAAGGATGACGACGATAAGGTTTAAACGCCCGGC

Restriction Sites:	SgfI-MluI
ACCN:	NM_001287584
Insert Size:	930 bp


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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).
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_001287584.1</u>
RefSeq Size:	1740 bp
RefSeq ORF:	930 bp
Locus ID:	129401
UniProt ID:	<u>Q8NFH5</u>
Cytogenetics:	2q32.1
MW:	33.1 kDa
Gene Summary:	This gene encodes a member of the nucleoporin family. The encoded protein contains two membrane binding regions, is localized to the nuclear rim, and is part of the nuclear pore complex. All molecules entering or leaving the nucleus either diffuse through or are actively transported by the nuclear pore complex. Alternative splicing results in multiple transcript variants. Pseudogenes of this gene have been defined on chromosomes 7 and 10. [provided by RefSeq, Dec 2013] Transcript Variant: This variant (3) differs in its 5' UTR, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (b) has a shorter N-terminus, compared to isoform a.