

Product datasheet for **SC334470**

Nup53 (NUP35) (NM_001287585) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup53 (NUP35) (NM_001287585) 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:	>NCBI ORF sequence for NM_001287585, the custom clone sequence may differ by one or more nucleotides

ATGCAGAGTCCTCTTGTTGGAGTTACATCTACTCCTGGAACAGGGCAAAGTATGTTTAGTCCAGCAAGTA
 TCGGTCAGCCACGAAAGACGACATTATCTCCTGCCAGTTGGATCCTTTTTATACTCAAGGAGATTCTTT
 GACTTCAGAAGATCACCTCGATGACTCTTGGGTGACTGTATTTGGGTTTCCTCAAGCATCTGCTTCTAC
 ATATTACTACAATTTGCACAGTATGGGAATATCTTAAACATGTGATGTCTAATACAGGAAATTGGATGC
 ATATTCGTTATCAATCTAAACTGCAGGCTCGGAAAGCCTTAAGCAAAGATGGGAGGATTTTGGAGAATC
 CATCATGATTGGTGTAACCACATGTATTGACAAAAGTGTATGGAAAGCAGTGACAGATGTGCTTTATCA
 TCTCCATCTTTAGCCTTTACACCACCAATCAAACTCTAGGTACACCAACACAACCTGGAAGTACTCCTA
 GGATTTCTACCATGAGACCTCTTGCTACAGCATACAAAGCCTCTACTAGTGATTATCAGGTTATTTCTGA
 CAGACAAACGCCAAAAAAGATGAAAGTCTTGATCCAAAGCAATGGAGTACATGTTTGGCTGGTAG

Restriction Sites:	Sgfl-MluI
ACCN:	NM_001287585
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).


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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: NM_001287585.1, NP_001274514.1

RefSeq Size: 1760 bp

RefSeq ORF: 627 bp

Locus ID: 129401

UniProt ID: Q8NFH5

Cytogenetics: 2q32.1

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 (4) differs in its 5' UTR, and initiates translation at a downstream start codon, compared to variant 1. The encoded isoform (c) has a shorter N-terminus, compared to isoform a.