

Product datasheet for **SC125889**

Nup53 (NUP35) (NM_138285) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup53 (NUP35) (NM_138285) Human Untagged Clone
Tag:	Tag Free
Symbol:	Nup53
Synonyms:	MP-44; MP44; NP44; NUP53
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene sequence for NM_138285 edited
 GACTAGTCTAGATCGCGAGCGGCCCTTTTTTTTTTTTTTTGAAAATTAATTGGGAAG
 GTACTGGTTTTAAGTGTAGTTGCCGACGCAATGGCAGCCTTTGCAGTGGAACCTCAGGGG
 CCCGCTTAGGATCTGAACCAATGATGCTGGGTTACCCACATCTCCAAAGCCAGGAGTT
 AATGCCAGTTCTTACCTGGATTTTTAATGGGGGATTTGCCAGCTCCGGTGACTCCACAA
 CCTCGATCAATTAGTGGCCCTTCAGTAGGAGTAATGGAATGAGATCACCTTTACTTGCA
 GGTGGGTACCAACCACAACCAAGTTGTACCAGCTCATAAAGATAAAAGTGGCGCTCCACCA
 GTTAGAAGTATATATGATGACATTTCTAGCCCAGGACTTGGATCAACACCTTTAACTTCA
 AGAAGACAGCCAAACATTTAGTAATGCAGAGTCTCTTGTGGAGTTACATCTACTCTCT
 GGAACAGGGCAAAGTATGTTTAGTCCAGCAAGTATCGGTACGCCACGAAAGACGACATTA
 TCTCTGCCAGTTGGATCCTTTTTATACTCAAGGAGATTCTTTGACTTCAGAAGATCAC
 CTCGATGACTCTTGGGTGACTGTATTTGGGTTTCTCAAGCATCTGCTTCTACATATTA
 CTACAATTTGCACAGTATGGGAATATCTTAAACATGTGATGTCTAATACAGGAAATTGG
 ATGCATATTCGTATCAATCTAACTGCAGGCTCGGAAAGCCTTAAGCAAAGATGGGAGG
 ATTTTTGGAGAATCCATCATGATTGGTGTAAACCATGTATTGACAAAAGTGTATGGAA
 AGCAGTGACAGATGTGCTTTATCATCTCCATCTTAGCCTTTACACCACCAATCAAACT
 CTAGGTACACCAACACAACCTGGAAGTACTCTAGGATTTCTACCATGAGACCTCTTGCT
 ACAGCATACAAAGCCTCTACTAGTGATTATCAGGTTATTTCTGACAGACAAACGCCAAAA
 AAAGATGAAAGTCTTGATCCAAAGCAATGGAGTACATGTTGGCTGGTAGTAACACC
 AAGAAGGAGGTTGCTACACTAAACAGAGTTAGCAGAGTGCTGCTGGTTCCTTCGGTTAG
 TTATATAACTGTTCTGCAGTATTGGATAGCTATCTCATACTTCTTTAGAAAGAAGCCT
 TTTTCATTAAGGATACAACCTATTTGTAGCTCGCACTTTAAAGATGCTTGAGATACATT
 TTAAAGAAAACTAAAAATCCCTGTAATAGGATTTGTGCTTTCTGTAAACAGTGCATGCT
 TCAGCACAGAAAACTCAGCATTGATTATTGTAATTAATAACTGAAATTGTGGTGAGAC
 GTCATAGTCTTCATGAGAACGTGGGGTGAATTTATGAAGGGAACTATAGTTATTTCT
 ACCGACACAAATATTATAATTAGCAATTTGAATTATGGTCTTTAATTTAGATAGTATTT
 AATATTTTAATTATCCTTGTGTATATGCTGTACAGAGTGCTCTTGGTGTATTC
 TAAACGAGCATTCTTTAAAAAACCTAAAGTTTCTTGATAATAAACATTGTCAATGATA
 AAAAAAAAAAAAAAA

5' Read Nucleotide Sequence: >OriGene 5' read for NM_138285 unedited
 CGCCTTCANATCTGGTACCGGTCCGGAATCCCGGGATATCGTCGACCCCGCTCCGGAC
 TAGTCTAGATCGCGAGCGCGCCCTTTTTTTTTTTTTTTGAAAATTAATTGGGAAGGTA
 CTGGTTTTAAGTGTAGTTGCCGACGCAATGGCAGCCTTTGCAGTGGAACCTCATGNGTCC
 GCGTTAGGATCTGAACCAATGATGCTGGGTTACCCACATCTCCAAAGCCAGGATGTTAA
 TGCCAGTTCTTACCTGGATTTTTAATGGGGGATTTGCCAGCTCCGGTGACTCCACAACC
 TCGATCAATTAGTGGCCCTTCAGTAGGAGTAATGGAATGAGATCACCTTTACTTGACAGG
 TGGGTCAACCACCACAACCAAGTTGTACCAGCTCATAAAGATAAAAGTGGCGCTCCACCACT
 TAGAAGTATATATGATGACATTTCTAGCCCAGGACTTGGATCAACACCTTTAACTTCAAG
 AAGACAGCCAAACATTTAGTAATGCAGAGTCTCTTGTGGAGTTACATCTACTCTCTGG
 AACAGGGCAAAGTATGTTTAGTCCAGCAAGTATCGGTACGCCACGAAAGACGACATTATC
 TCCTGCCAGTTGGATCCTTTTTATACTCAAGGAGATTCTTTGACTTCAGAAGATCACCT
 CGATGACTCTTGGGTGACTGTATTTGGGTTTCTCAAGCATCTGCTTCTACATATTACT
 ACAATTTGCACAGTATGGGAATATCTTAAACATGTGATGTCTAATACAGGAAATTGGAT
 GCATATTCGTTATCAATCTAACTGCAGGCTCGGAAAGCCTTTAAGCAAGATGGGAAGGA
 TTTTTC

Restriction Sites: NotI-NotI
ACCN: NM_138285

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_138285.3</u> , <u>NP_612142.2</u>
RefSeq Size:	1649 bp
RefSeq ORF:	981 bp
Locus ID:	129401
UniProt ID:	<u>Q8NFH5</u>
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 (1) encodes the longest isoform (a).