

Product datasheet for **SC323794**

NUP37 (NM_024057) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: NUP37 (NM_024057) Human Untagged Clone
Tag: Tag Free
Symbol: NUP37
Synonyms: MCPH24; p37
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC (PS100020)
E. coli Selection: Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_024057.2
 TTTCGTGACCTTGTCCAGTAGAAGGCTATTTAATTTTCACAACCTGCTGAATTTTGACAT
 ACAAGATGAAGCAAGATGCCTCAAGAAATGCTGCCTACACTGTGGATTGTGAAGATTATG
 TGCATGTGGTAGAATTTAATCCCTTTGAGAATGGGGATTAGGAAACCTAATTGCATATG
 GTGGCAATAATTATGTGGTCATTGGCACGTGTACGTTTCAGGAAGAAGAAGCAGACGTTG
 AAGGCATTAGTATAAAACACTTCGAACATTTCCCATGGAGTCAGGGTTGATGGCATAG
 CTTGGAGCCAGAGACTAGACTTGCATTGCCTCCAGTAATCAAATTTGTACTTCAG
 CTGCTGATATGAAAATTAGATTATTTACTTCAGATCTTCAGGATAAAAAATGAATATAAGG
 TTTTAGAGGGCCATACCGATTTTCATTAATGGTTTGGTGTGGATCCCAAAGAAGGCCAAG
 AAATTGCAAGTGTGAGTGACGATCACACCTGCAGGATTTGGAACCTGGAAGGAGTGCAAA
 CAGCTCATTTTGTCTTCATTCTCCTGGCATGAGTGTGTGCTGGCATCCTGAGGAGACTT
 TTAAGCTAATGGTTCAGAGAAGAATGGAACAATCCGGTTTTATGATCTTTGGCCCAAC
 AGGCTATTTTATCTCTTGAATCAGAACAAGTGCCATTAATGTCAGCACACTGGTGCTTAA
 AAAACACCTTCAAAGTTGGAGCCGTTGCAGGAAATGATTGGTTAATTTGGGATATTA
 GGTCCAGTTATCCTCAAATAAGAGACCTGTTACATGGATCGAGCCTGCTTATTCAGGT
 GGTCCACAATTAGTAAAATCTGTTTGCAACCACTGGTTATCCTGGCAAATGGCAAGCC
 AGTTTCAAATTCATCATTAGGACACCCTCAGCCATCCTCATGGGTTCTGTAGCCGTTG
 GATCTGGACTGTCCTGGCATCGAACTCTCCCTCTGTGTGTAATTGGAGGAGACCACAAGC
 TGTTGTTTTGGTGACTGAAGTATAAAGTGTCTGTACCTTAGATTCACAACTTTGT
 ATTTTATGACATATTTTGAAGAATTTCTATAGTACATATTTTGAAGAATTTTATATCA
 AATATACCGTATACTTTAGAAAATGTCTCAGTTGCTTTTATTAATAAAATGTTGATGGT
 TTGAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: ECoRI-NOT
ACCN: NM_024057



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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).
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:	<ol style="list-style-type: none"> 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_024057.2</u> , <u>NP_076962.2</u>
RefSeq Size:	1228 bp
RefSeq ORF:	981 bp
Locus ID:	79023
UniProt ID:	<u>Q8NFH4</u>
Cytogenetics:	12q23.2
Gene Summary:	Nuclear pore complexes (NPCs) are used for transporting macromolecules between the cytoplasm and the nucleus. NPCs consist of multiple copies of 30 distinct proteins (nucleoporins), which assemble into biochemically-separable subcomplexes. The protein encoded by this gene is part of a subcomplex (Nup107-160) that is required for proper NPC function as well as for normal kinetochore-microtubule interaction and mitosis. [provided by RefSeq, Dec 2015]