

Product datasheet for **RG208113**

NUP107 (NM_020401) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	NUP107 (NM_020401) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	NUP107
Synonyms:	GAMOS7; NPHS11; NUP84; ODG6
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide
Sequence:

>RG208113 representing NM_020401
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGCATCGCC**

ATGGACAGGAGTGGCTTTGGAGAGATATCATCCCCTGTAATCCGGGAGGCAGAGGTGACACGGACTGCAC
GAAAACAGAGTGCCTCAGAAAAGAGTTTTACTTCAGGCATCTCAAGATGAAAATTTTGGTAATACTACACC
AAGAAACCAGGTTATCCCTCGAACTCCTAGCTCATTTTCGACAGCCTTTTACCCCAACAAGCCGAAGCTTA
CTAAGGCAGCCAGATATTTCTGCATTCTTGGAAACAGGAGGAAGTCGCCCGACTTACGCAGTCTTCAG
GGTTCTTTGGAAATCTCTCCATGGTTACTAATCTGGATGACAGTAAGTGGGCAGCTGCATTTTCATCACA
GCGTTCGGGCTGTTCAAAACACAGAGCCCCACAGTAAACAGAAGATGAACTATCAGTGCTGTTATG
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AGCACTCTTCGAGTACAGTTTTTGATCTTGTGGAAGATGAAAACATCTGTGGTAGTCAGGTGAATAT
ACTGAGTAAAATAGTGTGAGTCGAGCAACACCTGGACTTCAAAAATTTTCAAAAACAGCCAGTATGCTCTGG
CTTCTTCAACAGGAGATGGTCACATGGAGGCTGCTGGCTTCTTTGTATAGAGACAGAATACAGTCTGCAT
TAGAAGAGGAAAGTGATTTCGCAGTTACTGCTGTTAATGCCAGTAAAAAACAGTTGTGGAGCGTTATT
TCAGAGGGATTCACTTGTTCGACAAAGTCAGCTGGTGGTAGATTGGTTAGAGAGTATTGCCAAAGATGAA
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AACATACAAATCTTATAGCATTATATACCTGTCATTTGCCTCAAGACCTAGCTGTTGCCAGTATGCATT
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TATTGCACAGTACTGGTCAATACGGAATGCCTACAGTTAGCAGATATGGTATCCTCTGAGCGCCACAA
ACTGTACCTGGTATTTTCTAAGGAAGAGCTAAGGAAGTTGCTGCAGAAGCTCAGAGATCCTCTCTAATG
CTCCTAGACCAGGACTTGACCCATTAGGGTATGAAATTCAGTTA

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG208113 representing NM_020401
 Red=Cloning site Green=Tags(s)

MDRSGFGEISSPVIREAEVTRTARKQSAQKRVLQLQASQDENFGNTTPRNQVIPRTPSSFRQPFTPTSRSL
 LRQPDISCILGTGGKSPRLTQSSGFFGNLSMVTNLDDSNWAAAFSSQSRGLFTNTEPHSITEDVTSAVM
 LREDDPGEAASMSMFSDFLQSFLLKSSSTVFDLVEEYENICGSQVNLISKIVSRATPGLQKFSKTASMLW
 LLQQEMVTWRLLASLYRDRIQSALEEEVSFAVTAVNASEKTVVEALFQRDSLVRQSQLVVDWLESIAKDE
 IGEFSDNIEFYAKSVYWENTLHTLKQRQLTSYVGSVRPLVTELDPDAPIRQKMPDLLDREDEVRLKYL
 FTLIRAGMTEEAQRLCKRCGQAWRAATLEGWKLYHDPNVNGGTELEPVEGNPYRRIWKISCRMAEDEL
 NRYERAIYAALSGNLKQLLPVCDTWEDTVWAYFRVMVDSLVEQEIQTSVATLDETEELPREYLGANWTL
 KVFEELQATDKKRVLEENQEHYHIVQKFLILGDIDGLMDEFKWLKSRNNLPGHLLRFMTHLILFFRTL
 GLQTKEEVSIEVLKTYIQLLIREKHTNLIAFYTCHLPQDLAVAQYALFLESVTEFEQRHHCLELAKEADL
 DVATITKTVVENIRKKDNGEFSHHDLPALDTGTTEEDRLKIDVIDWLVDPQAQRAEALKQGNAIMRKFL
 ASKKHEAAKEVFKIPQDSIAE IYNQCEEQGMESPLPAEDDNAIREHLCIRAYLEAHETFNEWFKHMNSV
 PQKPALIPQPTFTEKVAHEHKEKKYEMDFGIWKGHLDALADVKEKMYNVLLFVDGGWMDVREDAKEDH
 ERTHRMVLLRKLCLPMLCFLHHTILHSTGQYQECLQLADMVSSERHKLYLVFSKEELRKLKQLRESSLM
 LLDQGLDPLGYEIQI

TRTRPLE - GFP Tag - V

Restriction Sites:

SgfI-MluI

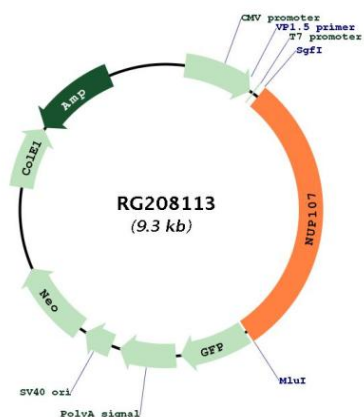
Cloning Scheme:



ACCN: NM_020401

ORF Size:	2775 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	NM_020401.2 , NP_065134.1
RefSeq Size:	3158 bp
RefSeq ORF:	2778 bp
Locus ID:	57122
UniProt ID:	P57740
Cytogenetics:	12q15
Domains:	Nup84_Nup100
Gene Summary:	This gene encodes a member of the nucleoporin family. The protein is localized to the nuclear rim and is an essential component of the nuclear pore complex (NPC). All molecules entering or leaving the nucleus either diffuse through or are actively transported by the NPC. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized. [provided by RefSeq, Jul 2008]

Product images:



Circular map for RG208113