

Product datasheet for **MG212080**

Nup188 (NM_198304) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup188 (NM_198304) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Nup188
Synonyms:	BC025526; mKIAA0169; U89435
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG212080 representing NM_198304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGCCGCTGGTGGCCGTGTGTGAGGAGCAGTAGAGAACTCTGGACAATTCTACTTGGGAGGT
CAGCTCTTAGAGAATTGAATCAGATTGAGGCGAACTGAATAAATATTGGCAGCGGTTGTTAGAAGGGCT
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CTGAAGGAGCTGGCCTAAGAGTCAGCAAGTCTTGGGCTTGATGAAGAGCAGAGTGTGCAGTTACTGC
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GAGCCAGGCTTAACCTGAAGATTGCAGATTATTATTGAAGAAAGAACCTGCATTCTCGTTGTGTC
TTACACCTTCTGACATATTTCCAAGATGAACGCCATCCATACAGGGCGGAATATGCTGACTGTGTTGACA
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TCCCTGCACAAGTACGCCTTGGATGACAGGCGAGAGCTGCACCAGTTTGCTCAGGATGGCCTCATCTGCC
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CGAGCACCGCCTGCATGTGTCTATGGTCTTCTCCTTTGCCCTCACCTCACTGGAGCTGCACACACT
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CCTGGATAAAATGCTTTTCTACAACGAATCCATAAGCACAAGCCCCATGATGTGCTCTCATGAAGAT



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GGAACCTGTGGCGGAGGCAAACACCCAAACTCCTGTACCCTCTAGGGGGTCAGACCAACCTTCGCATTC
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 ACCACAGGGCAAGGCCACCTCTCTCCAAAGCCAGCCAGAATCTCAGGAGCCTCTGATCCAACCTGTG
 CAAGCCTTTGTCCGGCACGTGCAGAGA

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG212080 representing NM_198304
 Red=Cloning site Green=Tags(s)

MAAAGGPCVRSSRELWTILLGRSALRELNQIEAELNKYWQRLLLEGLSYYKPPSPSSAERVKANKDVAS
 LKELGLRVSKFLGLDEEQSVQLLQCYLQEDYRGTDRSLKTVLQDERQSQUALTKIADYYYYEERTCILRCV
 LHLLTYFQDERHPYRAEYADCVDKLEKELVLKYRQQFEELYRTEAPTWEHGNLMTERRQVSRWL VQCLRE
 QSMLLEIIFLYYAFEMAPSDLLVLTKMFKEQGFSGRQTSRHLVGGTMDPFVDRIGYFSALILVEGMDIE
 SLHKYALDDRRELHQFAQDGLICQDMDRAMLTLDIPHHAPVLLAWALLRHTLSPEETSSVVRKIGGTAI
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 WGTPTSGLGIIILDSVCGMFPHLLSPLLQLLRALVSGKSTAKKVYSFLDKMSFYNELHKKHPPHVDLSHED
 GTLWRRQTPKLLYPLGGQTNLRIPQGTVGQVMLDDRAYLVRWEYSYSSWTLFTCEIEMLLHVVSTADVIQ
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 VKGSLDQSLKDTLKKFSSEKRFAYWSGYVYKSLAVYMADEGSSCTSLLEYQMLVSAWRILLIIAASHADV
 MHLTDMAVRRQLFLDVLDTGKALLLVAASVNCRLGSMCTLLLILLRQWKRELGAVEKILGPLTEILEG
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 DKDSMETDDCPRPRHKDQRDGVCLGLHLAKELCEVDEGDGDLQVTRRLPILPTLLTTLEVSLRMKQNL
 HFTEAALHLLLTLARTQQGATAVAGAGITQSICLPLL SVYQLSSNGTGQTPSTRKSLDAPSWPGVYRLS
 MSLMERLLKTLRYNFLTALDFVGVHQERTLQCLNAVKTVQSLACLEEADHTVGFILQLSHFRKEWHFHL
 PQLMRDVQVNLGYLCQACTSLLHSRKMQLQHYLQNKNGDGLPSAVTPRAQRPSTTTTTTTTTTALATPAGC
 SSKQPTADTEASEQRALHTVQYGLLKLILSRTLAALRHFTPDVCQILLDQSLDLAEYNFLFALSFTPTFD
 SEVAPSGTLLATVNVALNMLGELDKKESLTQAVGLSTQAEGRTRTKSLLMFTMENCYLLISQAVRYL
 RDPVHPRDKQRMKQELSSELSTLLSSLRYFRRGAPSSPAAGVLPSPQGKATSLSKASPESQEPLIQLV
 QAFVRHVQR

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-MluI

ACCN:	NM_198304
ORF Size:	5277 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_198304.3
RefSeq Size:	5670 bp
RefSeq ORF:	5280 bp
Locus ID:	227699
UniProt ID:	Q6ZQH8
Cytogenetics:	2 B
Gene Summary:	May function as a component of the nuclear pore complex (NPC).[UniProtKB/Swiss-Prot Function]