

Product datasheet for MR212080

Nup188 (NM_198304) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Nup188 (NM_198304) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Nup188
Synonyms:	BC025526; mKIAA0169; U89435
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR212080 representing NM_198304 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGCGGCTGCCGCTGGTGGGCCGTGTGTGAGGAGCAGTAGAGAAGCTCTGGACAATTCTACTTGGGAGGT
CAGCTCTTAGAGAATTGAATCAGATTGAGGCGGAACTGAATAAATATTGGCAGCGGTTGTTAGAAGGGCT
TTCTTACTACAAACCTCCAGTCCAAGTTCAGCTGAAAGAGTGAAAGCTAATAAAGACGTAGCGTCACCT
CTGAAGGAGCTGGGCCTAAGAGTCAGCAAGTTCCTGGGTCTTGATGAAGAGCAGAGTGTGCACTTACTGC
AGTGTACCTTCAGGAGGATTACAGGGTACTCGGGACTACTAAAGACAGTCTGCAAGATGAGAGGCA
GAGCCAGGCTTAACCCGAAGATTGCAGATTATTATTGAAGAAAGAACCTGCATTCTTCGTTGTGTC
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GGAACCTGTGGCGGAGGCAAACACCCAAACTCCTGTACCCTCTAGGGGGTCAGACCAACCTTCGCATTC
 CTCAGGGCACTGTGGCCAAGTCATGCTGGATGACAGGGCTTACCTTGTCCGCTGGGAGTACTCTTACAG
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 CAAGCCTTTGTCCGGCACGTGCAGAGA

ACGCGTACGCGGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
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Protein Sequence:

>MR212080 representing NM_198304
 Red=Cloning site Green=Tags(s)

MAAAGGPCVRSSRELWTILLGRSALRELNQIEAELNKYWRLLLEGLSYYKPPSPSSAERVKANKDVASPL
 LKELGLRVSKFLGLDEEQSVQLLQCYLQEDYRGRDLSLKTIVLQDERQSQUALTKIADYEEERTCILRCV
 LHLLTYFQDERHPYRAEYADCVDKLEKELVLYRQFEEELYRTEAPTWEHGNLMTERRQVSRWL VQCLRE
 QSMLEIIFLYAYFEMAPSDLLVLTkMFKEQGFGRQTSRHLVGGTMDPFVDRIGYFSALILVEGMDIE
 SLHKYALDDRRRELHQFAQDGLICQDMDRAMLTLDIPHHAPVLLAWALLRHTLSPEETSSVVRKIGGTAI
 QLVNFQYLTRLLRSLASGGNDCTTSTACMCVYGLLSFALTSLELHHTLGNQQDVIDTACEVLADPSLPELF
 WGTPTSGLGIIIDSVCGMFPHLLSPLLQLLRALVSGKSTAKKVYSFLDKMSFYNELHKKHPPHDVLSHED
 GTLWRRQTPKLLYPLGGQTNLRIPQGTVGQVMLDDRAYLVRWEYSYSSWTLFTCEIEMLLHVVSTADVIQ
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 TEAGQTVISIMGIGVDTIDMVMAAQPRSDGPEGQGGQQLIKTKVLAFSVTNNVIRLKPPSNVVSPLLEQA
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 VKGSLDQSLKDTLKKFSSSEKRFAYWSGYVYKSLAVYMADEGSSCTSLLEYQMLVSAWRILLIIAASHADV
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 VLQADQQLMEKTKAKVFSAFITVLMKELRVGDIPOYSQLVLNVCETLQEEVIALFDQTRHSLASDSAAE
 DKDSMETDDCPRPRHKDQRDGVCLGLHLAKELCEVDEEDGSWLQVTRRLPILPTLLTTLEVSLRMKQNL
 HFTEAALHLLLTLARTQQGATAVAGAGITQSIPLLSVYQLSSNGTGQTPSTRKSLDAPSWPGVYRLS
 MSLMERLLKTLRYNFLTEALDFVGVHQERTLQCLNAVKTVQSLACLEEADHTVGFILQLSHFRKEWHFHL
 PQLMRDVQVNLGYLCQACTSLLHSRKMLOHYLQNKNGDGLPSAVTPRAQRPSTTTTTTTTTTALATPAGC
 SSKQPTADTEASEQRALHTVYQYGLLILSRTLAALRHFTPDVCQILLDQSLDLAEYNFLFALSFTTPTFD
 SEVAPSGTLLATVNVALNMLGELDKKESLTQAVGLSTQAEGRTRTKSLLMFTMENCYLLISQAVRYL
 RDPVHPRDKQRMKQELSSSELSTLLSSLRYFRGAPSSPAAGVLPSPQKATSLSKASPESQEPLIQLV
 QAFVRHVQR

TRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mm9103_h05.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:



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:

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

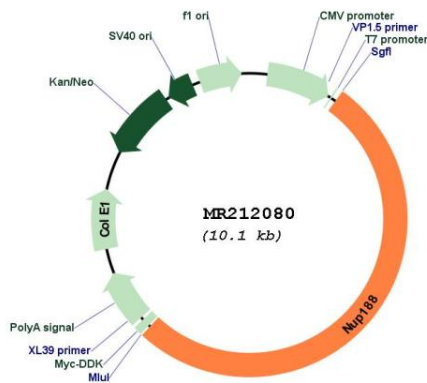
UniProt ID: [Q6ZQH8](#)

Cytogenetics: 2 B

MW: 196.7 kDa

Gene Summary: May function as a component of the nuclear pore complex (NPC).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR212080