

## Product datasheet for RC239923

### NEMF (NM\_001301732) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	NEMF (NM_001301732) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	NEMF
Synonyms:	IDDSAPN; NY-CO-1; SDCCAG1
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC239923 representing NM_001301732 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCCGCGATCGCC

ATGAAGAGCCGCTTTAGCACCATTGACCTCCGCGCCGTAATGCTAGCTTGTAGGAA  
TGAGAGTAAACAATGTTTATGATGTGGATAATAAGACATACCTTATTCGTCCTCAAAAACCGGACTTTAA  
AGCTACACTTTTACTTGAATCTGGCATACGAATTCATACAACAGAATTTGAGTGGCCTAAGAATATGATG  
CCGTCTAGTTTTGCCATGAAGTCCGAAAACATTTGAAGAGTCGGAGATTAGTCAGTGCAAAACAGCTTG  
GTGTGGATAGAATTGTAGATTTCAATTTGGAAGTGATGAAGCTGCTTACCATTTAATCATTGAGCTCTA  
TGATAGGGGGAACATTGTTCTTACAGATTATGAGTACGTAATTTAAATATTCTAAGGTTTCTGAAGCTGAT  
GAGGCAGATGATGTTAAATTTGCTGTTTCGTAACGCTATCCACTTGATCATGCTAGAGCTGCTGAACCTT  
TGCTTACTTTGGAAAGTTGACTGAAATAGTAGCCAGCGCACCTAAGGGTGAAGTACTGAAGAGGGTGCT  
TAACCCATTACTCCCTATGGACCAGCTCTCATTGAACACTGTCTTTAGAAAATGGATTCTCGGGTAAT  
GTCAAAGTGGATGAAAACTTGAACATAAGATATTGAAAAGTACTTGTCTCTGCAGAAAGCAGAAG  
ACTATATGAAAACAACATCCAATTCAGTGGGAAGGGATATATCATTGAGAAAAGAGAAAATAAACCCATG  
CTTGAAGCAGATAAACAGTTGAAGACATACTGACGTATGAGGAATTTATCCTTTCTGTGTTTTCTCAA  
CATTACAAATGTCCATATATAGAATTTGAATCATTGACAAGGCGGTGGATGAATTTTATCCAAGATAG  
AAGGCCAGAAAATTGACTTAAAAGCTTTACAACAGGAAAAGCAAGCATTGAAGAAATAGATAATGTTTCG  
AAAGGATCACGAAAACAGATTGGAAGCTTTCAGCAGGCTCAGGAAAATAGACAACTGAAAGGAGAGCTC  
ATAGAAATGAACCTACAATAGTTGACAGAGCCATTGAGGTAGTTCGAAGTCTTACTGTAACAGATAG  
ATTGGACAGAAAATGGGTAAATGTGAAAGAAGCCAGGCTCAAGGAGACCCTGTTGCAAGTGAATCAA  
AGAATTAACACTACAACAAACCATGTTACAATGCTGCTAAGAAATCCATACTTGTATCAGAGGAGGAA  
GATGATGATGTTGATGGTGACGCAATGTTGAGAAAAATGAACTGAACCACAAAAGGAAAAAAGAAAA  
AACAAAAGAATAAACAGCTGCAGAAGCCTCAGAAAAATAAGCCCTTACTGTAGATGTTGATCTCAGCTT  
GTCAGCATATGCCAATGCCAAAAAGTATTATGATCACAAGAGATATGCTGCTAAGAAAACACAAAAGACT  
GTTGAAGCTGCTGAGAAGGCATTCAAGTCAGCAGAAAAGAAAACAAGCAAAACATTAAGAAGTTCAGA



[View online »](#)

CTGTTACCTCTATTCAAAAAGCAAGAAAAGTATATTGGTTTGAGAAATTTCTGTGGTTCATTAGCTCAGA  
 GAACTATCTAATTATAGGTGGACGAGATCAGCAACAGAATGAAATAATTGTGAAAAGATACTTGACACCA  
 GGAGAACCATCCCCACGGACCTTGACTGAAGCTGGCACAATGGCACTTTGCTACAGTCTGCTTGGG  
 ATGCACGAGTTACTACTAGTCTTGGTGGGTGTACCATCATCAGGTATCTAAAACAGCACCACCTGGAGA  
 ATATTTGACAACAGGAAGCTTCATGATAAGAGGAAAAAAGAATTTTCTCCTCCCTCATATCTAATGATG  
 GGGTTTAGCTTCTTTTTAAGGTAGATGAGTCTTGTGTTTGGAGACATCAGGTGAACGAAAAGTCAGAG  
 TACAGGATGAAGACATGGAGACTGGCAAGTTGTACAAGTGAACCTCATATCAGAAGAAATGGAACAATT  
 AGATGGAGGTGACACGAGCAGTGTGAGGATAAAGAAGAACATGAAACTCCTGTGGAAGTAGAACTCATG  
 ACTCAGGTTGACCAAGAGGATATCACTCTTCAGAGTGGCAGAGATGAACTAAATGAGGAGCTCATTGAGG  
 AAGAAAGCTCTGAAGACGAAGGAGAATATGAAGAGGTTAGAAAAGATCAGGATTCTGTTGGTGAAATGAA  
 GGATGAAGGGGAAGAGACATTAATTACTGATACTACCATTGACTTGTCTCACCTTCAACCCCAAAGG  
 TCCATCCAGAAATGGCTTCAAAGAGGAATCTTCTAATTCTAGTGACAGTAAATCACAGAGCCGGAGAC  
 ATTTGTCAGCCAAGGAAAGAAGGAAATGAAAAAGAAAAAAGTCTCAAGTGAAGTCAAGGAGATTTAGAAGC  
 GTTAGAGGGAAAGGATAAAGAAAAAGAAAGTACTGTACACATTGAAACTCATCAGAACACAAGCAAAAAT  
 GTTGCGGCTGTGCAGCCAATGAAACGAGGACAAAAGAGTAAAATGAAAAAATGAAAGAAAAATACAAG  
 ACCAGGATGAAGAAGACCGTGAACCTTATCATGAAGTTGCTGGGGTCTGCAGGTTCAAACAAGAAGAAAA  
 AGGGAAGAAGGGGAAGAAAGGAAAAACAAGGACGAACCTGTGAAGAAACAGCCCGAAGAACTAGAGGT  
 GGACAGAGGGTCTCTGACAACATTAAGAAAGAACTCCGTTCTTCTGAGGTTATAACTCATGAGTTACAAG  
 ACTTTGCTGTAGATGATCCACATGATGACAAGGAAGCAAGTCTGGATCAACAGGGAAATGAGGAAAA  
 CCTATTTGATTCTTTGACAGGCCAGCCACATCTGAAGATGACTACTGTTTGCCATTCCAATATGTGCC  
 CCTTACACCACCATGACAACTACAAATATAAAGTGAAGTACTCTGGAGTGCAGAAAAAGGGAAAAAG  
 CTGCAAAAACAGCCTTGAATAGTTTTCATGCATTCAAAGAAGCAACAGCAAGAGAAAAAGACTTATTCGG  
 CAGCGTAAAGGACACAGATTTATCAAGAAACATTCTGCGCAAAGTGAAGTGTCTGCACCAATCTTCTG  
 AACGTA AAAAGGAAA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
 ACAAGGATGACGACGATAAGGTTTAA

**Protein Sequence:**

>RC239923 representing NM\_001301732  
 Red=Cloning site Green=Tags(s)

MKSRFSTIDLRAVLAELNASLLGMRVNNVYDNDNKTYLIRLQKPDFKATLLLESGIRIHTTEFEWPKNMM  
 PSSFAMKCRKHLKSRRLVSAKQLGVDRIYDFQFGSDEAYHLIIELYDRGNIVLTDYEYVILNILRFRTD  
 EADDVKFAVRERYPLDHARAAEPLLTLERLTEIVASAPKGELLKRVLNPLLPGPALIEHCLLENGFSGN  
 VKVDEKLETKDIEKVLVSLQKAEDYMKTTSNFSGKGYIIQKREIKPCLEADKPVEDILTYEEFHPFLFSQ  
 HSQCPYIEFESFDKAVDEFYSKIEGQKIDLKALQQEKQALKKLDNVRKDHENRLEALQQAQEI DKLK GEL  
 IEMNLQIVDRAIQVRSALANQIDWTEIGLIVKEAQAQGD PVASAIKELKLTQNHVTMLLRNPYLLSEEE  
 DDDVDGDVNVKNETEPPKGGKKKQKNKQLQKPKKNKPLLVDVDSL SAYANAKKYYDHKRYAAKKTQKT  
 VEAEEKAFKSAEKKTKQTLKEVQTVTSIQKARKVYWF EKFLWFISSENYLIIIGGRDQQQNEIIVKRYLTP  
 GEPIPPRTLTEAGTMALCYSAAWDARVITSAWVYHHQVSKTAPTGEYLTGTSFMIRGKKNFLPPSYLMM  
 GFSFLFKVDESCVWRHQGERKVRVQDEDMETLASCTSELI SEEMQLDGGDTSSDEDKEEHETPVEVELM  
 TQVDQEDITLQSGRDELNEELIQEESSEDEGEYEEVRKDQDSVGMKDEGEETLNYPTDITL SHLQ PQR  
 SIQKLASKEESSNSSDSKSQRRLHSAKERREM KKKLPSDSGDLEALEGKDKKESTVHIETHQNTSKN  
 VAAVQPMKRGQKSKMKMKMEKYDQDEEDRELIMKLLGSAGSNKEEKGGKGGKTKDEPVKKQPQKPRG  
 GQRVSDNIKKETPFLEVI THELQDFAVDDPHDDKEEQDL DQQGNEENLFD SLTGQPHPEDVLLFAIPICA  
 PYTTMTNYKYVKLTPGVQKKGKAAKTALNSFMHSKEATAREKDLFRSVKDTDL SRNIPGKVKVSAPNLL  
 NVKRK

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Restriction Sites:**

Sgfl-MluI



<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"><li>1. Centrifuge at 5,000xg for 5min.</li><li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li><li>3. Close the tube and incubate for 10 minutes at room temperature.</li><li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li><li>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.</li></ol>
<b>RefSeq:</b>	<u>NM_001301732.2, NP_001288661.1</u>
<b>RefSeq Size:</b>	4333 bp
<b>RefSeq ORF:</b>	3168 bp
<b>Locus ID:</b>	9147
<b>UniProt ID:</b>	<u>O60524</u>
<b>Cytogenetics:</b>	14q21.3
<b>MW:</b>	121.2 kDa
<b>Gene Summary:</b>	This gene encodes a component of the ribosome quality control complex. The encoded protein facilitates the recognition and ubiquitination of stalled 60S subunits by the ubiquitin ligase listerin. A similar protein in fly functions as a tumor suppressor. [provided by RefSeq, Jul 2016]