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Product datasheet for MC212586

Rnf26 (NM_153762) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Rnf26 (NM_153762) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Rnf26
Synonyms:	8030450I18Rik
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin

Fully Sequenced ORF:

>MC212586 representing NM_153762
Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGAGGCTGTCTACCTGGTGGTGAATGGGGTGGGCCTGGTGCTGGACTTGCTGACCTTGATGTTGGATC
TCAACTTCCTGCTCGTGTCCTCCCTCCTGGCTACCCTGGCCTGGCTTTTGGCCTTCATCTACAATCTGCC
ACACACGGTACTTACCAGTCTTCTGCACTTGGGTCGAGGATTCCTGCTTTCTTTGCTGGCCTTAGTTGAA
GCTGTGGTCCGATTTACCTTCGGGGGACTGCAGGCCTTGGGGACGCTCCTCTATAGCTGCTACTCTGGCT
TGGAGAGCTTAAAGCTACTGGGGCACTTGGCCTCCCACGGAGCTCTGAGGAGCCGGGAATTCCTGAATCG
GGGCATCCTGAACATGGTCTCCAATGGCCATGCTTTGCTGCGCCAGGCCTGTGACATATGTGCTATTGCC
ATGAGCCTGGTGGCCTATGTGATCAACAGTCTAGTCAACATCTGCCTCATCAGCACTCAGAACTTCTTCT
CCCTGGTGCTGGCCCTGTGGGATGCTGTAACGGGGCCTCTTTGGAGGATGACAGACGTGGTGGCTGCTTT
CCTCGCTCACATCTCCAGCAGTGCAGTGGCTATGGCCATTCTCCTGTGGACCCCCTGCCAGCTAGCACTG
GAGCTGTTGGCCTCAGCCGCCCGCCTGCTGGCCAGCTGTGTGGTTTTCCATCTCACTGGATTGGTGTTGC
TGGCTTGCGTGCTGGCAGTGATTTTGATTGTGTTGCACCCAGAACAAACCCTGAGGCTGGCCACTCAAGC
TCTCAGTCAGCTTCATGCCCGCCCATCTTACCACCGGCTTTGGGAGGATATCGTACGGCTGACTCGCCTT
CCACTAGGTCTGGAGGCTTGGCGCAGAGTCTGGAGCCGCAGCCTACAACTGGCCAGCTGGCCAAATCGGG
GAGGAGCACCAGGAGCCCCCCAAGGTGGCCCCAGGAGGGTGTTCTCAGCCAGGATCCAGCCACAGGACAC
TCCTCCTGAAGCAGAAGAGGAGGTCATCAGAACTGCACCAGCTAGAGGCCGAGAGCAACTCAACGAGGAC
GAGCCTGCCGCTGGGCAGGACCCATGGAAGCTGTTGAAGGAGCAAGAAGAGCGGAAGAAGTGTGTTATCT
GCCAGGACCAGAGCAAAACGGTGCTGCTTCTGCCCTGCCGGCACCTGTGCCTGTGCCAGGCTTGCACTGA
GATCCTCATGCGCCACCCTGTTTACCATCGCAACTGCCCGCTCTGCCGCCGCAGCATCCTGCAAACCCTC
AATGTCTACCTCTGA

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

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Restriction Sites:	SgfI-MluI
ACCN:	NM_153762
Insert Size:	1275 bp
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).
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_153762.3, NP_717095.2
RefSeq Size:	2294 bp
RefSeq ORF:	1275 bp
Locus ID:	213211
UniProt ID:	Q8BUH7
Cytogenetics:	9 A5.1
Gene Summary:	E3 ubiquitin-protein ligase that plays a key role in endosome organization by retaining vesicles in the perinuclear cloud. Acts as a platform for perinuclear positioning of the endosomal system by mediating ubiquitination of SQSTM1. Ubiquitinated SQSTM1 attracts specific vesicle-associated adapters, forming a molecular bridge that restrains cognate vesicles in the perinuclear region and organizes the endosomal pathway for efficient cargo transport. Also acts as a regulator of type I interferon production in response to viral infection by mediating the formation of 'Lys-11'-linked polyubiquitin chains on TMEM173/STING, leading to stabilize TMEM173/STING. Also required to limit type I interferon response by promoting autophagic degradation of IRF3.[UniProtKB/Swiss-Prot Function]