

Product datasheet for **RN200440**

Mfge8 (NM_012811) Rat Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Mfge8 (NM_012811) Rat Untagged Clone
Tag:	Tag Free
Symbol:	Mfge8
Synonyms:	AGS; MFGME8; MFGMP-E8; OAcGD3S
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
Fully Sequenced ORF:	>RN200440 representing NM_012811 Red=Cloning site Blue=ORF Orange=Stop codon

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGCAGTTCTCCCGTGTGCTGGCCGCGCTGTGCGGTGTGCTGCTCTGCGCCTCCGGCCTCTTCGCTGCGT
CCGGTGACTTCTGTGACTCCAGCCTGTGCCTGAATGGTGGGACCTGCTTGATGGGCAAGACAATGACAT
CTACTGCCTCTGCCCTGAAGGCTTCACAGGCCTTGTGTGCAACGAGACTGAGAAAGGACCGTGTCCCA
AACCCCTTGCTTCCACGATGCCAAATGCCTGGTGACTGAGGACACACAGCGAGGGGACATCTTCAGTGAGT
ACATCTGCCAGTCCCTGTGGGCTACTCGGCATCCACTGTGAACTCGGCTGTTCCACAAAGCTGGGCTT
GGAAGGGGGCGCCATTGCCGATTCACAGATTTCTGCCTCGTCTGTGTATATGGGCTTCATGGGCTTGACG
CGCTGGGGCCCGGAGCTGGCTCGCCTGTATCGCACAGGGATTGTCAATGCATGGACAGCCAGCAGCTATG
ATAGCAAGCCCTGGATCCAGGTGGACTTCTGCGGAAGATGCGGGTATCAGGTGTGATGACACAGGGTGC
CAGCCGTGCCGGGAGGGCGGAATACCTGAAGACCTCAAGGTGGCTTACAGCCTCGATGGACGCAGGTTC
GAGTTCATCCAGGATGAAAGCGGAACCGGAGACAAGGAGTTTATGGGTAACCAGGACAACAACAGCCTGA
AGATTAACATGTTCAACCCCACTCTGGAGGCACAGTACATAAGGCTGTACCCTGTCTCGTCCACCGCGG
CTGCACCCTCCGCTTCGAGCTCCTGGGCTGCGAGTTGCATGGATGCTCTGAGCCCTGGGCTGAAGAAT
AACACGATTCTGACAGCCAAATAACAGCCTCCAGCAGCTACAAGACGTGGAACCTGCGTGCCTTTGGCT
GGTACCCCACTTGGGGCGGCTGGACAATCAGGGCAAGATCAATGCCTGGACAGCTCAGAGCAACAGTGC
CAAGGAATGGCTGCAGTTGACCTGGGCACTCAGAAAAAGTGACAGGAATTATCACCCAGGGGGCCCGT
GACTTTGGCCACATCCAGTATGTGGCATCTATAAGGTAGCCACAGTGTGATGGTGTGACAGTGGACCG
TATATGAGGAACAAGGAACAGCAAGTCTTCCAGGGCAACTGGACAACAACCTCCACAAGAAGAACAT
CTTTGAGAAACCTTTCATGGCTCGCTATGTGCGTGTCTTCCACTGTCTGGCATAACCGTATCACCTG
CGCTGGAGCTGCTGGGCTGT**TAG**

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Restriction Sites:	Sgfl-Mlul
ACCN:	NM_012811
Insert Size:	1284 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:	<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_012811.3 , NP_036943.1
RefSeq Size:	2020 bp
RefSeq ORF:	1284 bp
Locus ID:	25277
UniProt ID:	P70490
Cytogenetics:	1q31
Gene Summary:	involved in the O-acetylation of GD3 ganglioside sialic acid [RGD, Feb 2006] Transcript Variant: This variant (2) lacks an in-frame coding exon compared to variant 1, and encodes a shorter isoform (2) missing an internal protein segment compared to isoform 1.