

Product datasheet for MR201982

Gfer (NM_023040) Mouse Tagged ORF Clone

Product data:

OriGene Technologies, Inc.

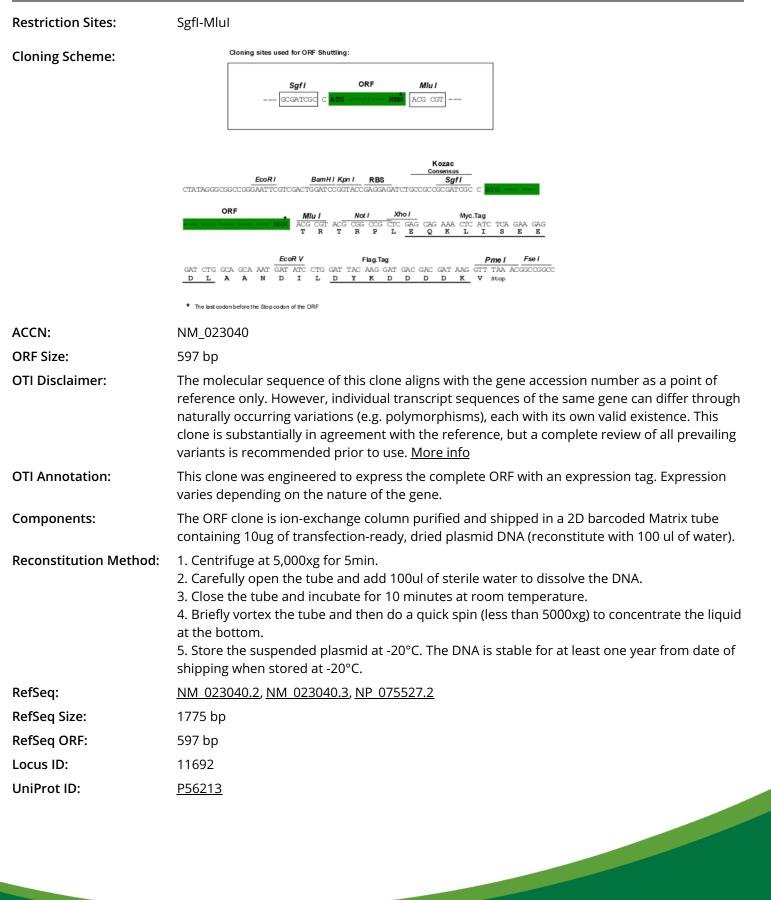
9620 Medical Center Drive, Ste 200 Rockville, MD 20850, US Phone: +1-888-267-4436 https://www.origene.com techsupport@origene.com EU: info-de@origene.com CN: techsupport@origene.cn

Product Type:	Expression Plasmids
Product Name:	Gfer (NM_023040) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Gfer
Synonyms:	Alr; ERV1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>MR201982 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGGCGCCCAGCGAGCCGGCGGGCTTCCCTCGCGGCAGTCGCTTCTCCTTCCT
Protein Sequence:	<pre>>MR201982 protein sequence Red=Cloning site Green=Tags(s) MAAPSEPAGFPRGSRFSFLPGGARSEMTDDLVTDARGRGARHRDDTTPSAAPAPQGLEHGKRPCRACVDF KSWMRTQQKRDIKFREDCPQDREELGRHTWAFLHTLAAYYPDRPTPEQQQDMAQFIHIFSKFYPCEECAE DIRKRIGRNQPDTSTRVSFSQWLCRLHNEVNRKLGKPDFDCSRVDERWRDGWKDGSCD TRTRPLEQKLISEEDLAANDILDYKDDDDKV</pre>



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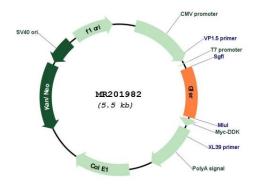
Gfer (NM_023040) Mouse Tagged ORF Clone – MR201982



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Cytogenetics:	17 12.48 cM
MW:	22.9 kDa
Gene Summary:	FAD-dependent sulfhydryl oxidase that regenerates the redox-active disulfide bonds in CHCHD4/MIA40, a chaperone essential for disulfide bond formation and protein folding in the mitochondrial intermembrane space. The reduced form of CHCHD4/MIA40 forms a transient intermolecular disulfide bridge with GFER/ERV1, resulting in regeneration of the essential disulfide bonds in CHCHD4/MIA40, while GFER/ERV1 becomes re-oxidized by donating electrons to cytochrome c or molecular oxygen (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



116 — 66 — 45 — 35 — 25 — 18 — 14 — Circular map for MR201982

Coomassie blue staining of purified Gfer protein (Cat# [TP501982]). The protein was produced from HEK293T cells transfected with Gfer cDNA clone (Cat# MR201982) using MegaTran 2.0 (Cat# [TT210002]).

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