

Product datasheet for RC220589

ALR (GFER) (NM_005262) Human Tagged ORF Clone

Product data:

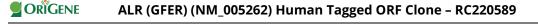
OriGene Technologies, Inc.

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Product Type:	Expression Plasmids
Product Name:	ALR (GFER) (NM_005262) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ALR
Synonyms:	ALR; ERV1; HERV1; HPO; HPO1; HPO2; HSS; MMCHD; MPMCD
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	<pre>>RC220589 representing NM_005262 Red=Cloning site Blue=ORF Green=Tags(s)</pre>
	TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC <mark>GCGATCGC</mark> C
	ATGGCGGCGCCCGGCGAGCGGGGCCGCTTCCACGGCGGGAACCTCTTCTTCCTGCCGGGGGGCGCGCGC
	ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAG GTTTAA
Protein Sequence:	<pre>>RC220589 representing NM_005262 Red=Cloning site Green=Tags(s)</pre>
	MAAPGERGRFHGGNLFFLPGGARSEMMDDLATDARGRGAGRRDAAASASTPAQAPTSDSPVAEDASRRRP CRACVDFKTWMRTQQKRDTKFREDCPPDREELGRHSWAVLHTLAAYYPDLPTPEQQQDMAQFIHLFSKFY PCEECAEDLRKRLCRNHPDTRTRACFTQWLCHLHNEVNRKLGKPDFDCSKVDERWRDGWKDGSCD
	TRTRPLEQKLISEEDLAANDILDYKDDDDKV

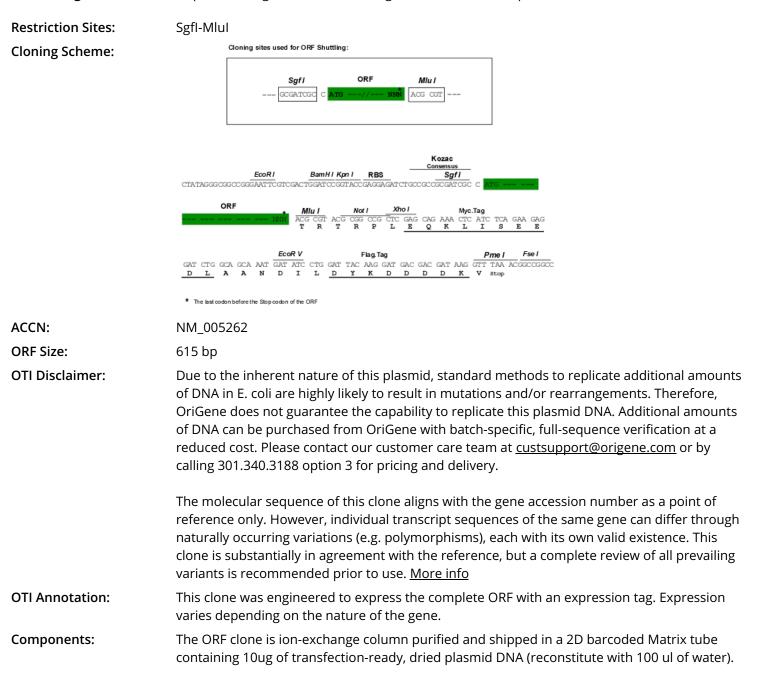


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Chromatograms:

https://cdn.origene.com/chromatograms/mk6096_b06.zip



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Service ALR (GFER) (NM_005262) Human Tagged ORF Clone – RC220589

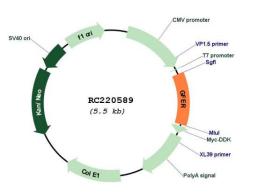
Reconstitution Method:	 Centrifuge at 5,000xg for 5min. Carefully open the tube and add 100ul of sterile water to dissolve the DNA. Close the tube and incubate for 10 minutes at room temperature. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom. 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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM 005262.3</u>
RefSeq Size:	2447 bp
RefSeq ORF:	618 bp
Locus ID:	2671
UniProt ID:	<u>P55789</u>
Cytogenetics:	16p13.3
MW:	23.3 kDa
Gene Summary:	The hepatotrophic factor designated augmenter of liver regeneration (ALR) is thought to be one of the factors responsible for the extraordinary regenerative capacity of mammalian liver. It has also been called hepatic regenerative stimulation substance (HSS). The gene resides on chromosome 16 in the interval containing the locus for polycystic kidney disease (PKD1). The putative gene product is 42% similar to the scERV1 protein of yeast. The yeast scERV1 gene had been found to be essential for oxidative phosphorylation, the maintenance of mitochondrial genomes, and the cell division cycle. The human gene is both the structural

and functional homolog of the yeast scERV1 gene. [provided by RefSeq, Jul 2008]

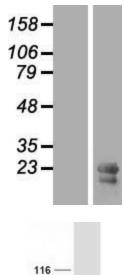
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Product images:



Circular map for RC220589



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Western blot validation of overexpression lysate (Cat# [LY417415]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC220589 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).

Coomassie blue staining of purified GFER protein (Cat# [TP320589]). The protein was produced from HEK293T cells transfected with GFER cDNA clone (Cat# RC220589) using MegaTran 2.0 (Cat# [TT210002]).

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