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 datasheet for SC122704

ALR (GFER) (NM_005262) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ALR (GFER) (NM_005262) Human Untagged Clone
Tag:	Tag Free
Symbol:	ALR
Synonyms:	ALR; ERV1; HERV1; HPO; HPO1; HPO2; HSS; MMCHD; MPMCD
Mammalian Cell Selection:	None
Vector:	pCMV6-XL5
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_005262, the custom clone sequence may differ by one or more nucleotides

ATGGCGGCGCCCGGCGAGCGGGGCCGCTTCCACGGCGGGAACCTCTTCTTCCTGCCGGGGGGCGCGCGCT
CCGAGATGATGGACGACCTGGCGACCGACGCGCGGGGCCGGGGCGCGGGGCGGAGAGACGCGGCCGCCTC
GGCCTCGACGCCAGCCCAGGCGCCGACCTCCGATTCTCCTGTCGCCGAGGACGCCTCCCGGAGGCGGCCG
TGCCGGGCCTGCGTCGACTTCAAGACGTGGATGCGGACGCAGCAGAAGCGGGACACCAAGTTTAGGGAGG
ACTGCCCGCCGGATCGCGAGGAACTGGGCCGCCACAGCTGGGCTGTCCTCCACACCCTGGCCGCCTACTA
CCCCGACCTGCCCACCCCAGAACAGCAGCAAGACATGGCCCAGTTCATACATTTATTTTCTAAGTTTTAC
CCCTGTGAGGAGTGTGCTGAAGACCTAAGAAAAAGGCTGTGCAGGAACCACCCAGACACCCGCACCCGGG
CATGCTTCACACAGTGGCTGTGCCACCTGCACAATGAAGTGAACCGCAAGCTGGGCAAGCCTGACTTCGA
CTGCTCAAAAGTGGATGAGCGCTGGCGCGACGGCTGGAAGGATGGCTCCTGTGACTAG

Restriction Sites:	Please inquire
ACCN:	NM_005262
Insert Size:	2400 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).
OTI Annotation:	A TrueClone.

View online »

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_005262.1, NP_005253.2
RefSeq Size:	2447 bp
RefSeq ORF:	378 bp
Locus ID:	2671
UniProt ID:	P55789
Cytogenetics:	16p13.3
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]