

Product datasheet for MR222769

Amer1 (NM_175179) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: Amer1 (NM_175179) Mouse Tagged ORF Clone
Tag: Myc-DDK
Symbol: Amer1
Synonyms: 2810002O09Rik; AW492303; Fam123b; Wtx
Mammalian Cell Selection: Neomycin
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
ORF Nucleotide Sequence: >MR222769 representing NM_175179
 Red=Cloning site Blue=ORF Green=Tags(s)

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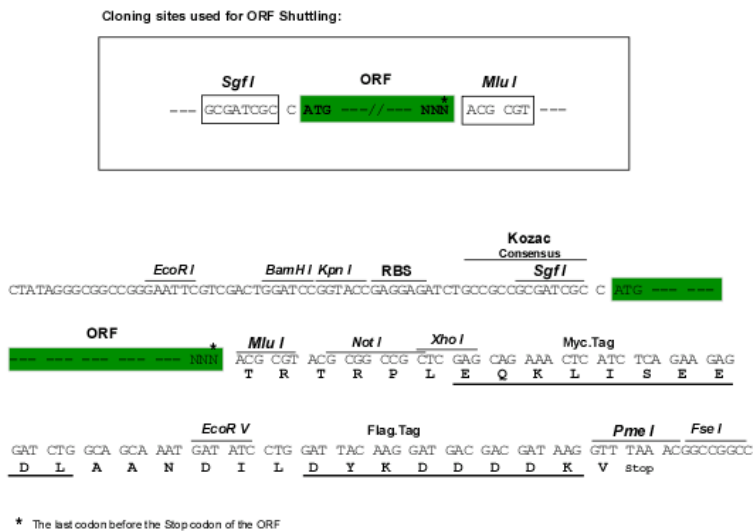
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Protein Sequence: >MR222769 representing NM_175179
 Red=Cloning site Green=Tags(s)

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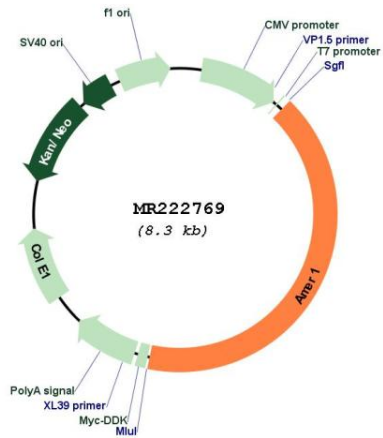
Restriction Sites: SgfI-MluI
Cloning Scheme:



ACCN: NM_175179
ORF Size: 3396 bp

OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. More info
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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_175179.4 , NP_780388.2
RefSeq Size:	8476 bp
RefSeq ORF:	3399 bp
Locus ID:	72345
UniProt ID:	Q7TS75
Cytogenetics:	X C3
MW:	124.2 kDa
Gene Summary:	Regulator of the canonical Wnt signaling pathway. Acts by specifically binding phosphatidylinositol 4,5-bisphosphate (PtdIns(4,5)P2), translocating to the cell membrane and interacting with key regulators of the canonical Wnt signaling pathway, such as components of the beta-catenin destruction complex. Acts both as a positive and negative regulator of the Wnt signaling pathway, depending on the context: acts as a positive regulator by promoting LRP6 phosphorylation. Also acts as a negative regulator by acting as a scaffold protein for the beta-catenin destruction complex and promoting stabilization of Axin at the cell membrane. Promotes CTNNB1 ubiquitination and degradation. Involved in kidney development (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR222769