

Product datasheet for RC211107L1

C1orf77 (CHTOP) (NM_015607) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	C1orf77 (CHTOP) (NM_015607) Human Tagged Lenti ORF Clone
Tag:	Myc-DDK
Symbol:	C1orf77
Synonyms:	C1orf77; C10orf77; FL-SRAG; FOP; pp7704; SRAG; SRAG-3; SRAG-5
Mammalian Cell Selection:	None
Vector:	pLenti-C-Myc-DDK (PS100064)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC211107).
Restriction Sites:	SgfI-MluI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF.

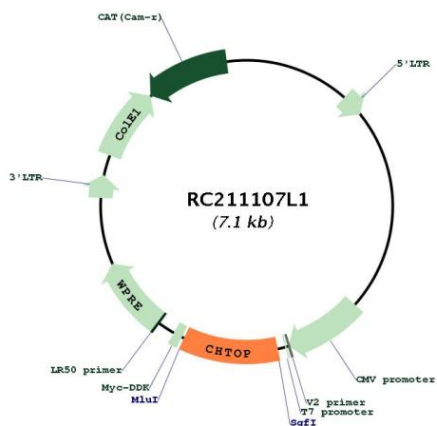
ACCN:	NM_015607
ORF Size:	747 bp



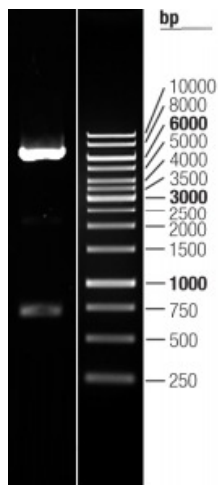
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OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), 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_015607.2
RefSeq Size:	2172 bp
RefSeq ORF:	747 bp
Locus ID:	26097
UniProt ID:	Q9Y3Y2
Cytogenetics:	1q21.3
MW:	26.5 kDa
Gene Summary:	This gene encodes a small nuclear protein that is characterized by an arginine and glycine rich region. This protein may have an important role in the regulation of fetal globin gene expression and in the activation of estrogen-responsive genes. A recent study reported that this protein binds 5-hydroxymethylcytosine (5hmC) and associates with an arginine methyltransferase complex (methylosome), which promotes methylation of arginine 3 of histone H4 (H4R3) and activation of genes involved in glioblastomagenesis. Alternatively spliced transcript variants encoding different isoforms have been described for this gene. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RC211107L1



Double digestion of RC211107L1 using SgfI-MluI