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Product datasheet for RC223024

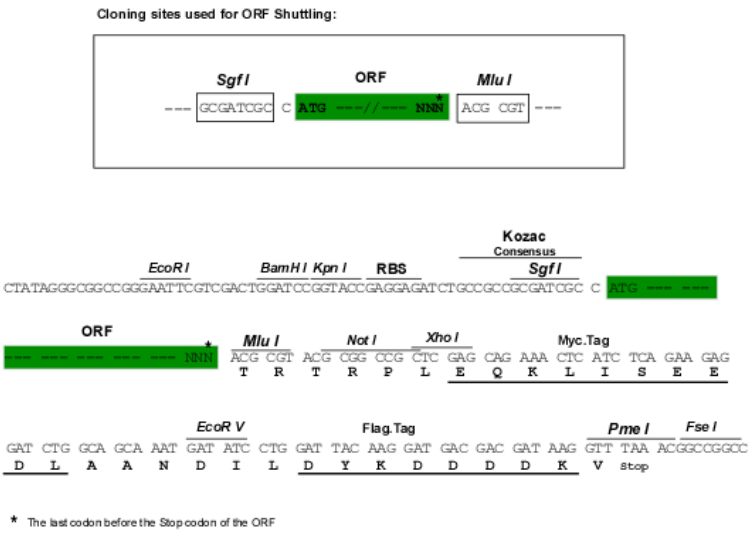
S100A7L2 (NM_001045479) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	S100A7L2 (NM_001045479) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	S100A7L2
Synonyms:	S100a7b
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC223024 representing NM_001045479 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCCGCGATCGCC ATGCTTCCCAGCTCTGGCTTTTTGAAAGCAAAGATGAATATCCCTCTAGGTGAGAAAGTCATGTTGGACA TAGTCGCGATGTTTCGCCAATACAGTGGAGATGATGGTAGGATGGACATGCCAGGTCTGGTGAACTTGAT GAAGGAGAACTTCCCCAACTTCCTCAGTGGCTGTGAAAAAAGCGACATGGATTACTTGTCCAATGCCCTT GAGAAAAAAGATGATAATAAGGATAAGAAGGTTAATTATTCTGAGTTTCTTTCCTTGCTGGGGGATATAA CCATAGACCACCACAAGATAATGCATGGAGTGGCACCCTGTTCCGGGGGAAGCCAG ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC223024 representing NM_001045479 Red=Cloning site Green=Tags(s) MLPSSGFLKAKMNIPLGEKVMLDIVAMFRQYSGDDGRMDMPGLVNLMKENFPNFLSGCEKSDMDYLSNAL EKKDDNKDKKVNYSEFLSLLGDITIDHHKIMHGVAPCSGGSQ TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Chromatograms:	https://cdn.origene.com/chromatograms/mk8046_e04.zip
Restriction Sites:	SgfI-MluI

View online »

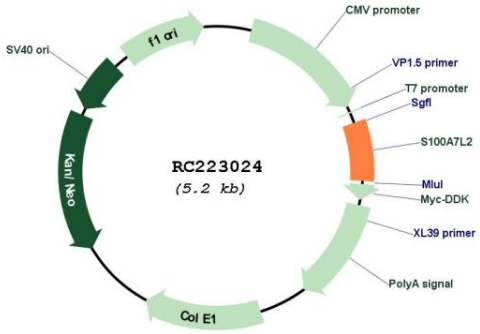
Cloning Scheme:



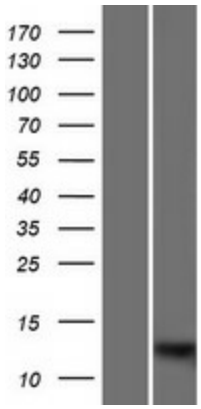
ACCN:	NM_001045479
ORF Size:	336 bp
OTI Disclaimer:	The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its 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:	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.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	NM_001045479.1, NP_001038944.2
RefSeq Size:	480 bp
RefSeq ORF:	339 bp

Locus ID:	645922
Cytogenetics:	1q21.3
MW:	12.3 kDa
Gene Summary:	This locus is currently categorized as a non-transcribed pseudogene, but the locus type of this gene is unclear since it does contain an intact CDS. This locus lacks evidence indicating that it is transcribed, and very little of the upstream regions found in other family members are present at this locus. [provided by RefSeq, May 2018]

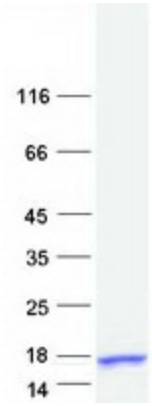
Product images:



Circular map for RC223024



Western blot validation of overexpression lysate (Cat# [LY420753]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC223024 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified S100A7L2 protein (Cat# [TP323024]). The protein was produced from HEK293T cells transfected with S100A7L2 cDNA clone (Cat# RC223024) using MegaTran 2.0 (Cat# [TT210002]).