

Product datasheet for **MR215321**

Slc7a15 (NM_001038660) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	Slc7a15
Synonyms:	Arpat
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



ORF Nucleotide Sequence: >MR215321 representing NM_001038660
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGGAGCGAAGTGAGGAGAAAGATGGCAGCAACAAGCCCGGGGCAAGAGCAGGGCAGTGGGACAGCGG
 GGCTGATGCTGAAGAGGGAGATTGGTCTGTGGAGTGCAGTGTCCATGACCGCTGGCTGTATGATTGGTTC
 TGGCATCTTCATGTCACCACAAGGGGTCTTGGTTTACATAGGCAGTCTTGGAGCCAGTCTTATTGTCTGG
 GCAACCTGTGGACTCCTGGCCATGCTGGGTGCCCTGTGCTATGTGAACGGGAGCCTGGTTCCTGAGT
 CTGGGGGAGATTATGCCTACATTTTGCACCTTTGGCTCTCTACCTGCCTTCTGGTCATCTACGTATA
 CGTTCTGGTAGGCAGACAGCCGGCATCACTGCGGTTTCGCTGAGTTTCGCTGAGTATGTACTGGGTCCC
 TTTTACCCAGGCTGCTCCTCGCTCCCTCAGGTCAAGATTGTGGCTTCTTCTGCATCCTGCTGC
 TGCTTTTGATCAATTTCTGGAGCTCACGGATGTCCACTGTGCTGATGAACGTGTGCACGACTGCCAAAGT
 GTTCTCGCTGCTAGTCATTGTAGTGGTGGGCTGTGGTGTGATGCAGGGCCATGCTTCCACAGAATCC
 CTGCTGTTTGCCTTCCACAACACAACAGCAGGAGGCGCATTGGCATGGCTTTCTACCGAGGGCTGT
 GGTCTTTGATGGCTGGAGTAATATCAACACAGTGATAGAGGAGCTCAAGAATCCAAAGCAGAACCTGCT
 GTGGGCGAGTGATGACTGCCGTCCTTGGTCACCATCTGTATGTCTGGTCAATATCAGTTACCTGCTG
 GTTATGTACCCCTCAGAGATCCTCTCTGATGCCATAGCTGTGATCTGGGGGACCGAGTTCTGGGT
 CCTGGGCTGGCTGGTGCCCTTGGCTGTTGCTCTTCAACATTTGGCACTGTCAATGGGGGGTCTTCAG
 CGGCAGCCGCTGTGCTATGCAGCTGCGAGAGAAGGTACATGCCGAGCTTATGTCCATGATTACGCTG
 AATCGACTGACACCGCCAGCCAGATCTTACCACGGCTGTGGCTTTACTGCTGGTCATCCCGGGA
 ACTTCAGCACCTTTGTGAACCTCTAAGCTTCTGTCTGGCTCACCTATGGAACCTTTGCCTGTCT
 TCTGTATTTGCGAATAAAGACAAAGAATCTCCCCACACTTACAAGGTTCCACCTTCATCCCTGCCATC
 ATGCTCCTGGTGTCTCTACCTGGTGTGGCACCATCATTGACCACCGCAGATAGAATTCCTATACA
 TCTTCTGTCTGCTCAGTGGCTTCCGGTGTACTTCTGCTTTTCCACTTCCAGTGTCAAGTCAAGT
 TATACAAACGGCCACTATGCATCTCCAGCTGCTCCTGGAAGTTGCTCAACCACTAAAGATCAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >MR215321 representing NM_001038660
 Red=Cloning site Green=Tags(s)

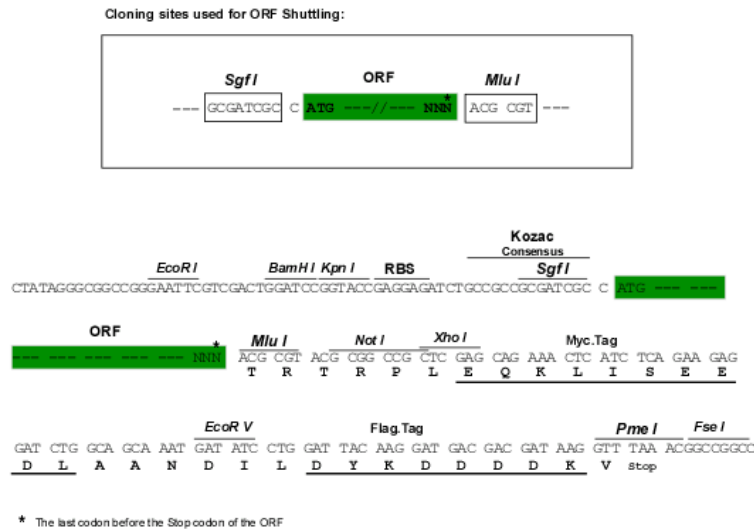
MERSEKDGSNKPAGQEQSGTAGLMLKREIGLWSAVSMTAGCMIGSGIFMSPQGVLYYIGSPGASLIVW
 ATCGLLAMLGALCYAELGSLVPESGGDYAYILRTFGSLPAFLVIYVYLVGRPAGITAVSLSFAEYVLAP
 FYPGCSLPQVIVKIVASSCILLLLINFWSSRMSTVLMNVCTTAKVFSLLVIVVGGAVVLMQGHASTES
 LLFAFHNTTQQAGRIGMAFYQGLWSFDGWSNINTVIEELKNPKQNLWAVMTAVPLVTILYVLVNISYLL
 VMSPSEILSSDAIAVIWGDRLGSAWLVLAVLSTFGTVNGGFFSGSRVCYAAAREGHMPQLMSMIHV
 NRLTPAPAQIFTTAVALLVIPGNSTFVNLLSFLSWLTYGTTFACLLYLRIKTNLPHTYKVPFIPAI
 MLLVSLYLVLAPIIDHPQIEFLYIFLVLSGFPVYFLLFHFQCQFKCIQTATMHLQLLLEVAPTTKDH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9085_g05.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001038660

ORF Size: 1464 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.

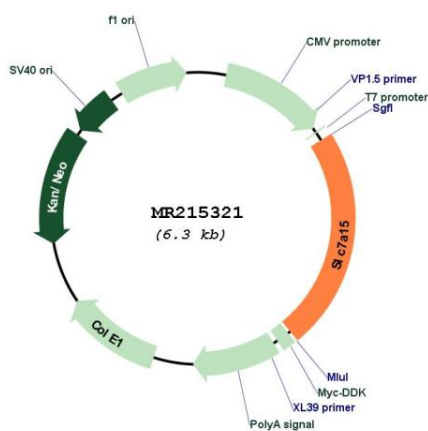
Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_001038660.2](#), [NP_001033749.1](#)

RefSeq Size: 2350 bp

RefSeq ORF: 1467 bp
 Locus ID: 328059
 Cytogenetics: 12 A1.1
 MW: 53.1 kDa

Product images:



Circular map for MR215321