

Product datasheet for **MG218220**

Slu7 (NM_198936) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Slu7 (NM_198936) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Slu7
Synonyms:	AU018913; D3Bwg0878e; D11Ert730; D11Ert730e
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>MG218220 representing NM_198936
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGTCGGCGGCCGCTGTGGACCCAGTTAGTGCACACCCATGACGGGATCAAAGGAGATGAGTTTGAGG
 AGCCGAAAAAGATGACCCGAGAGGACTGGAGGAAGAAGAAGGAGCTAGAAGAACAGAGGAACTGGGCAA
 TGCTCCTGCAGAAGTCGATGAAGAGGAAAAAGATATCAACCCTCATATTCTCAGTATATTTCTTCGGTT
 CCATGGTACATTGATCCATCAAAGAGACCCACTTTAAAGCATCAGAGACCACAGCCAGAGAAACAGAAGC
 AGTTCAGTTCATCTGGGAGTGGTACAAGCGAGGCGTAAAGGAGAATTCTATAACTACCAAGTACCGCAA
 AGGTGCATGTGAGAATTGTGGAGCCATGACACACAAGAGGAAAGATTGCTTTGAGAGACCGAGCGGGTT
 GGAGCTAAATTCACAGGAACTAACATTGCTCCAGACGAGCAGTCCAGCCCCAGTGATGTTTGACTATG
 ATGGGAAGAGAGACCGCTGGAATGGCTACAATCCGGAAGAGCACATGAAGATTGTCGAGGAATACGCCAA
 GGTGATCTGGCAAACCGACATTGAAAGCACAGAACTGCAAGAAGAGTTAGCCTCTGGAAAATTAGTG
 GAGCAAGCTAACTCTCCGAAACACCAAGTGGGAGAAAGAGGAACCAACTCTCAGATGGAAAAGGATCATA
 ACAGTGAGGATGAAGACGAAGACAAATATGCGGATGACATTGACATGCCTGGGCAGAATTCGACTCTAA
 GAGACGCATTACTGTTCCGAATCTCCGATTCTGTAAGATATTGCAAAATATTTGAGAAATTTAGATCCA
 AATTCTGCCTATTATGATCCAAAACAGAGCGATGAGAGAGAATCCTTACGCCAATGCAGGGAAGAATC
 CAGATGAAGTGAGCTACGCTGGAGATAACTTTGTTTCGATACACAGGAGATACCATCTCCATGGCTCAAAC
 ACAACTGTTTGTGGGAAGCCTACGACAAGGGTCTGAAGTGCATCTCCAGGCAGATCCGACAAAACATA
 GAGTCTGTATAAGTCTTCAAAGTCAAAAAGAAGACTTCAAAGAGCAGCAGAAGGAAAGCATCCTGG
 AAAAGTACGGTGGCCAAGAACACTGGACGCCCTCCAGCTGAGCTGCTTTAGCCAGACAGAAGACTA
 CGTGGAGTACTCCAGGCATGGCAGAGTCAATAAGGCCAGGAGCGGGCTGTCGCCTGCTCCAAGTACGAG
 GAAGACGTGAAGATCAATAACCACACGCATATCTGGGATCTTACTGGAAGAAGGCCGCTGGGGATACA
 AATGTTGTCACTCGTTTTTAAGTATTCTACTGTACTGGAGAAGCTGGGAAGGAGAGCGTTAACTCAGA
 GGAGTGTATTAACTGGTGCAGTGCAGAAAGTCTGTGAAGAAACCTCAGGCCCTCTGGAGCTACAT
 CAGGAGAACTAAAAGAGGAGAAGAAGAAGAAAAGAAGAAGAAACCCGAAGAGCAGTTCTGACA
 GCGACGATGAGGAACGGAAGCAGGAGAACTGAAAAGGCACTGAATGCAGAGGAGGCTCGCCTTCTTCA
 CGTGAAGGAGATCATGCAGATTGACGAGCGGAAGCGGCCCTACAACAGCATCTATGAAACCCGAGAGCCC
 ACAGAAGAGGAGATGGAGGCCTACAGGATGAAACGGCAGAGGCCCGATGACCCCATGGCCTTTCTAG
 GACAG

ACGCGTACGCGGCCGCTCGAG – GFP Tag – GTTTAA

Protein Sequence:

>MG218220 representing NM_198936
 Red=Cloning site Green=Tags(s)

MSAAAVDPVSATPMTGSKEMSLPEPKMTREDWRKKKELEEQRKLGNAPEVDEEGKDINPHIPQYISSV
 PWYIDPSKRPTLKHQRPEKQKQFSSSGEWYKRGVKENSITTKYRKGACENCGAMTHKRKDCFERRRV
 GAKFTGTNIAPDEHVQPQLMFDYDGKDRWNGYNPEEHMKIVEEYAKVDLAKRTLKAQKLQEELASGKLV
 EQANSPKHQWGEENPNSQMEKDHNSEDEDEDKYADDIDMPGQNFDSKRRI TVRNLR IREDIAKYLRNLDP
 NSAYYDPKTRAMRENPYANAGKNPDEVSYAGDNFVRYTGDTISMAQTQLFAWEAYDKGSEVHLQADPTKL
 ELLYKSFVKKEDFKEQQKESILEKYGGQEHLDAPPAELLLAQTEDYVEYSRHGTVIKQERAVACSKYE
 EDVKINNHTHIWGSYWKGRWGYKCHSFFKYSYCTGEAGKESVNSEECIITGATAEESVKKPQALLELH
 QEKLEEKKKKKKKKHKRKS SSSDDEERKQEKLEKALNAEEARLLHVKEIMQIDERKRPYNSIYETREP
 TEEEMEAYRMKRQRPDDPMASFLGQ

TRTRPLE – GFP Tag – V

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_198936

ORF Size: 1755 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.

RefSeq: [NM_198936.1](#), [NP_945174.1](#)

RefSeq Size: 3653 bp

RefSeq ORF: 1758 bp

Locus ID: 193116

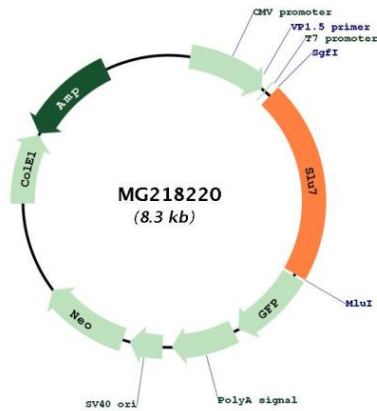
UniProt ID: [Q8BHI9](#)

Cytogenetics: 11 B1.1

Gene Summary:

Pre-mRNA splicing occurs in two sequential transesterification steps. The protein encoded by this gene is a splicing factor that has been found to be essential during the second catalytic step in the pre-mRNA splicing process. It associates with the spliceosome and contains a zinc knuckle motif that is found in other splicing factors and is involved in protein-nucleic acid and protein-protein interactions. Alternatively spliced transcript variants have been found for this gene. [provided by RefSeq, Jul 2008]

Product images:



Circular map for MG218220