

## Product datasheet for **RG202113**

### SLU7 (NM\_006425) Human Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	SLU7 (NM_006425) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	SLU7
Synonyms:	9G8; hSlu7
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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**ORF Nucleotide Sequence:**

>RG202113 representing NM\_006425  
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
 GCC**CGCATCGCC**

ATGTCAGCCACAGTTGTAGATGCAGTTAATGCTGCACCCCTATCGGGTCCAAGAAATGAGTTTGAAG  
 AACCAAAGAAGATGACCAGAGAGGACTGGAGAAAGAAGAAGGAGCTAGAAGAACAGCGAAAAATTGGGCAA  
 TGCTCCTGCAGAAGTTGATGAAGAAGGAAAAGACATCAACCCCATATTCTCAGTATATTTCTTCACTG  
 CCATGGTATATTGATCCTTCAAAAAGACCTACTTTAAAACACCAGAGACCACAACCAGAAAAACAAAAGC  
 AGTTCAGCTCATCTGGAGAATGGTACAAGAGGGGTGAAAAGAGAATTCCGTAATTAAGTACCGCAA  
 AGGAGCATGTGAAAATTGTTGGGGCCATGACACACAAAAAGAAAGACTGCTTTGAGAGACCTAGGCGAGTT  
 GGAGCCAAATTTACAGGTAATAATAGCTCCAGATGAACATGTCCAGCCTCAACTGATGTTTGACTATG  
 ATGGGAAGAGGGATCGGTGGAATGGCTACAATCCAGAAGAACACATGAAAATTGTTGAAGAGTATGCCAA  
 AGTTGATTTGGCAAACGAACATTGAAAGCCCAGAACTCCAAGAGGAATTAGCCTCAGGAAAATTAGTG  
 GAACAGGTAATTCCTCAAAAACACCAGTGGGGAGAAGAGGAACCAAATTCCTCAGACGAAAAAGATCATA  
 ATAGTGAAGATGAGGATGAAGATAAATATGCAGATGATATTGACATGCCTGGACAGAATTTTGACTCCAA  
 GAGACGAATTAAGTCCGGAATCTCAGGATTCGAGAAGATATTGCAAAATATTTGAGGAATTTAGATCCA  
 AATTCTGCCTACTATGATCCAAAACACTAGAGCAATGAGAGAGAATCCTTATGCCAATGCAGGAAAGAATC  
 CAGATGAAGTGAAGTATGCTGGAGATAACTTTGTTAGGTACACAGGAGATACCATTTCAATGGCTCAGAC  
 ACAGTTGTTTGCATGGGAAGCCTATGACAAGGGATCTGAAGTGCATCTACAGGCAGATCCTACAAAGCTA  
 GAGCTGTTGATAAGTCTTCAAAGTCAAAAAGAAGATTTCAAAGAACAGCAGAAAAGAAAGCATCCTGG  
 AAAAGTATGGTGGCCAAGAACATTTGGATGCCCTCCAGCTGAATTGCTTTTAGCCAGACTGAAGACTA  
 TGTGGAGTACTCAAGACATGGGACAGTCATCAAAGGACAGGAGCGGGCTGTTGCCTGCTCTAAGTATGAG  
 GAGGATGTGAAGATCCACAATCACACATATCTGGGGATCGTACTGGAAGAAGCCGATGGGGATACA  
 AATGCTGTCACTTTTTTCAAGTATTCCTATTGTACTGGAGAAGCTGGGAAGGAGATTGTTAACTCTGA  
 GGAGTGTATTATAAATGAGATAACTGGGAAGAATCTGTGAAAAAACCTCAAACCCTCATGGAGCTGCAT  
 CAAGAAAAACTGAAAGAGGAAAAGAAGAAGAAAAAGAAAAAGAAAGCATCGAAAGAGCAGTTCAG  
 ATAGTGTATGAAAGAAAAGCATGAAAAATTGAAAAAGGCACTGAACGCAGAGGAGGCCCGCCTTCT  
 TCATGTCAAGGAGACCATGCAGATTGATGAGAGGAAGCGCCTTACAATAGCATGTATGAAACTCGAGAA  
 CCTACTGAAGAGGAAATGGAGGCATATAGAATGAAACGTCAGAGGCCAGATGACCCCATGGCCTCTTCC  
 TTGGACAG

**ACGCGT**ACGCGGCCGCTCGAG - GFP Tag - GTTTAA

**Protein Sequence:**

>RG202113 representing NM\_006425  
 Red=Cloning site Green=Tags(s)

MSATVVDAVNAAPLSGSKEMSLPEPKMTREDWRKKKELEEQRKLGNAPEVDEEGKIDINPHIPQYISSV  
 PWYIDPSKRPTLKHQRQPPEKQKQFSSSGEWEYKRGVKENSVITKYRKGACENCGAMTHKKKDCFERRRV  
 GAKFTGTNIAPDEHVQPQLMFDYDGRDRWNGYNPEEHMKIVEEYAKVDLAKRTLKAQKLQEELASGKLV  
 EQANSPKHQWGEENPNSQTEKDHNSEDEDEDKYADDIDMPGQNFDSKRRIIVRNLRIREDIAKYLRNLDP  
 NSAYYDPKTRAMRENPYANAGKNPDEVSYAGDNFVRYTGDTISMAQTQLFAWEAYDKGSEVHLQADPTKL  
 ELLYKSFVKKEDFKEQQKESILEKYGGQEHLDAPPAELLLAQTEDYVEYSRHGTVIKQERAVACSKYE  
 EDVKIHNHHTIWSYWKGRWGYKCHSFFKYSYCTGEAGKEIVNSEECINEITGEEVSKKPKQTLMELH  
 QEKLEEKKKKKKKKKHRKSSSDSDEEKKHEKLLKALNAEEARLLHVKETMQIDERKRPYNSMYETRE  
 PTEEMEAYRMKRQRPDDPMASFLGQ

**TRTRPLE** - GFP Tag - V

**Restriction Sites:**

Sgfl-MluI

**Cloning Scheme:**


**ACCN:** NM\_006425

**ORF Size:** 1758 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\\_006425.2](#)

**RefSeq Size:** 3570 bp

**RefSeq ORF:** 1761 bp

**Locus ID:** 10569

**UniProt ID:** [O95391](#)

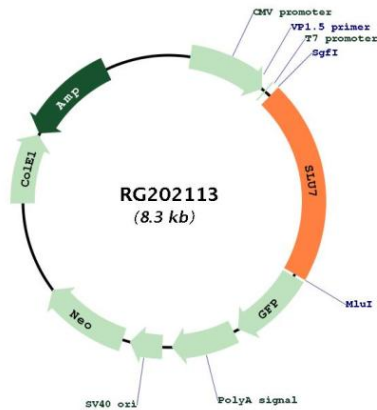
**Cytogenetics:** 5q33.3

**Domains:** zf-CCHC

**Protein Pathways:** Spliceosome

**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. [provided by RefSeq, Jul 2008]

**Product images:**



Circular map for RG202113