

Product datasheet for **RC231525**

FAM178A (SLF2) (NM_001243770) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	FAM178A (SLF2) (NM_001243770) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLF2
Synonyms:	C10orf6; FAM178A
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC231525 representing NM_001243770 Red=Cloning site Blue=ORF Green=Tags(s) TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC GCC GCGATCGCC ATGACAAGGGCGTGCATGCCCGCTAGGCCAGGTTCCCTCATCCCAGCCCCGGGTCGTCGCCCCGC GCTGCCATCTGAGACCCGGTAGTACCGCCATGCTGCAGCGGAAAGAGAACAGAGATCCTGGGGACAG GTACCGTGACAGGGCTTGAGAAGGGCCGGTCCGCGGGGCAAGGTA AC GCGT ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT ACAAGGATGACGACGATAAGGTTTAA
Protein Sequence:	>RC231525 representing NM_001243770 Red=Cloning site Green=Tags(s) MTRRCMPARPGFPSSPAPGSSPPRCHLRPGSTAHAAAGKRTESPGDRYRAEGLRRGRVAGARV TRTRPLEQKLISEEDLAANDILDYKDDDDKV
Restriction Sites:	Sgfl-MluI

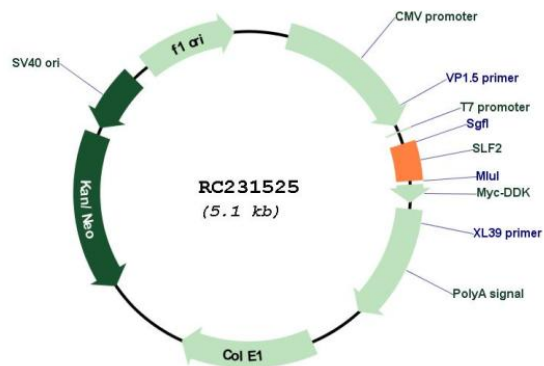


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Cloning Scheme:



Plasmid Map:



ACCN: NM_001243770
 ORF Size: 189 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:	<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_001243770.2
RefSeq Size:	1343 bp
RefSeq ORF:	192 bp
Locus ID:	55719
UniProt ID:	Q8IX21
Cytogenetics:	10q24.31
MW:	7.1 kDa
Gene Summary:	Plays a role in the DNA damage response (DDR) pathway by regulating postreplication repair of UV-damaged DNA and genomic stability maintenance (PubMed:25931565). The SLF1-SLF2 complex acts to link RAD18 with the SMC5-SMC6 complex at replication-coupled interstrand cross-links (ICL) and DNA double-strand breaks (DSBs) sites on chromatin during DNA repair in response to stalled replication forks (PubMed:25931565). Promotes the recruitment of the SMC5-SMC6 complex to DNA lesions (PubMed:25931565).[UniProtKB/Swiss-Prot Function]