

Product datasheet for **MC203554**

Scaf4 (NM_178923) Mouse Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Scaf4 (NM_178923) Mouse Untagged Clone
Tag:	Tag Free
Symbol:	Scaf4
Synonyms:	AA517739; Sfrs15; Sra4; Srsf15
Mammalian Cell Selection:	Neomycin
Vector:	PCMV6-Kan/Neo (PCMV6KN)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>BC057592

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GAGAGACAGAGAGGCCCGCCGCTCGCCGGCCGGGCCAGTGTGGGCCAGTGCGTGAGGGAGGGCGCGGGG
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Restriction Sites:

Ascl-NotI

ACCN:

NM_178923

Insert Size:

3630 bp

OTI Disclaimer:

Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>BC057592, AAH57592</u>
RefSeq Size:	4193 bp
RefSeq ORF:	3630 bp
Locus ID:	224432
UniProt ID:	<u>Q7TSH6</u>
Cytogenetics:	16 C3.3
Gene Summary:	Anti-terminator protein required to prevent early mRNA termination during transcription. Together with SCAF8, acts by suppressing the use of early, alternative poly(A) sites, thereby preventing the accumulation of non-functional truncated proteins. Mechanistically, associates with the phosphorylated C-terminal heptapeptide repeat domain (CTD) of the largest RNA polymerase II subunit (POLR2A), and subsequently binds nascent RNA upstream of early polyadenylation sites to prevent premature mRNA transcript cleavage and polyadenylation. Independently of SCAF8, also acts as a suppressor of transcriptional readthrough. [UniProtKB/Swiss-Prot Function]