

Product datasheet for MG210229

Scin (BC063328) Mouse Tagged ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Scin (BC063328) Mouse Tagged ORF Clone

Tag: TurboGFP

Symbol: Scin

Synonyms: adseverin; AW545522

Mammalian Cell Neomycin

Selection:

Vector: pCMV6-AC-GFP (PS100010)

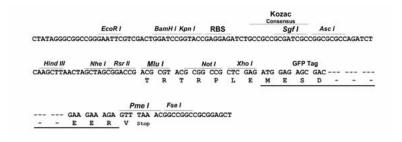
E. coli Selection: Ampicillin (100 ug/mL)

Restriction Sites: Sgfl-Mlul

Cloning Scheme:

Cloning sites used for ORF Shuttling:





ACCN: BC063328 **ORF Size:** 2147 bp



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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.

BC063328, AAH63328 RefSeq:

RefSeq Size: 2985 bp RefSeq ORF: 2147 bp Locus ID: 20259 Cytogenetics: 12 B1

Gene Summary: Ca(2+)-dependent actin filament-severing protein that has a regulatory function in exocytosis

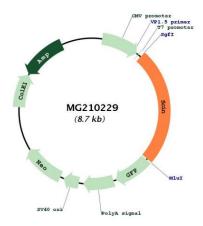
by affecting the organization of the microfilament network underneath the plasma

membrane (PubMed:9671468). Severing activity is inhibited by phosphatidylinositol 4,5-bisphosphate (PIP2) (By similarity). In vitro, also has barbed end capping and nucleating activities in the presence of Ca(2+) (PubMed:9671468). Required for megakaryocyte differentiation, maturation, polyploidization and apoptosis with the release of platelet-like particles (By similarity). Plays a role in osteoclastogenesis (OCG) and actin cytoskeletal organization in osteoclasts (PubMed:25275604, PubMed:25681458). Regulates chondrocyte proliferation and

differentiation (By similarity). Inhibits cell proliferation and tumorigenesis. Signaling is mediated by MAPK, p38 and JNK pathways (By similarity).[UniProtKB/Swiss-Prot Function]



Product images:



Circular map for MG210229