

Product datasheet for **RC211364**

SLAIN2 (NM_020846) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SLAIN2 (NM_020846) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	SLAIN2
Synonyms:	KIAA1458
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC211364 representing NM_020846
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGGATCGCC**

ATGGAGGACGTTAACTCCAACGTGAACGCGGACCAGGAGGTGCGGAAGCTGCAGGAGCTGGTGAAGAAGC
 TGGAGAAGCAGAACGAACAGCTGAGGAGCCGCTCGGGGGCCGTGCAAGGGCGCCGGCTCCCTTGGGCCCGG
 CAGCCCGGTTTCGGCCGCGCGTCCATTCCCTCCTCCGGCGCGCGTCTCCTCGGGGCTTCCCCTTGGGC
 CTCAGCGCAAGTCGGGCGGCGGCCCGGGTTCGGGCCGAGGCGGACGAGTAGCGAAGAGCTGCGGGACG
 CCACCTCCTTGTAGCGGCGGGGAGGGCGGCTTGTGGACGAGGTGGAGCCGCTGCGGCCGACGAGCT
 GGAGCGCTGTCAGGCTGGGAGGAGGAGGAGAGCTGGCTGTATTCACCAAAAGAAAAAATTACA
 CCAATGCAGAAATCGTTAGTCCATTAGTTTGGTGCAGGCAAGTTTGGATTACCAAGTCTGATGTTG
 AGTGTGCTAAAAATCTTTATCCAAAACTTATGATCAAACTATGTCAGCTCTCAAGAGGCAGAAATTTATA
 TAATAATCCTTTCAACTCTATGAGTTACACCAGTCTTACAGTCAAATGCCAGTAGCCCATACAGCAGT
 GGCTTCAATTCTCCATCCTCAACCCAGTGCACCTCCTATAGTCAAACAGCTTATACTTCTGAAATT
 CAGGTAACCTGAAAAGCTCAGACAGAAATCCTCCTCAGTCTCAGTCTCTATAGATAGTGAGTTAAG
 TGCTTCAGAATTAGATGAAGATTCAATTGGATCCAATTATAAGCTAAATGATGTAAGTGTACAGATT
 CTAGCCCGGATGCAGGAAGAAAGTCTCCGGCAAGAATAGCAGCCACCACGTCTCGGCGCAGTTCTGGTT
 CATCTTGAATTTACAAGACGGGGTACTTTTGTGATCAGGAAGTTGATGCACAAAGTTTATAGATGATGA
 AGATGACAATATGCATCATGCAGTATACCTGCTGTTAACAGGTTTTACCATCACCACGCAATTCACCT
 CGACCGTCACCTAAGCAGTCAACCAGAAATCACCTCGTTCACGATCTCCTGCTCGGGGAATAGAATATA
 GTAGAGTGTCCACAGCCTATGATTAGCCGCTTACAGCAACTCGCCTTCACTTCAAGGCCATCCAC
 AGATTTACAGACAAGCAATGTTAAAAATGAAGAAAAACTAAGACGCAAGTCTTCAAACCTGTCCCGAACA
 TCTAATACACAAGTTGACTCAGTGAAAAGCAGCAGAAAGTACTCAAATTTTCAAGTGCCAAACGGAGGAA
 TACCTCGTATGCAACCTCAGGCTTACGCCATACCTTCTCCAGGCAAAATCCGTTCCCTGCAGCACCATC
 TCCTTTGGCTCTTCGGCAACCAGTGAAAGCATTAGTAACCATGGCTCTGGTTCTCCTGGTAGCCAAAGAA
 ATAACACAGCTCACACAAACCACCTCCTCACCTGGGCCTCCTATGGTTCAGAGCACAGTCTCAGCAAATC
 CTCCAGCAATATCAACAGCGCTACTTAACCAGACCTGCAGGGACAAGTCAATGAGAAGTGGCTTGCC
 CAGACCCAGTGCCCTTCTGCTGGGGGCATACCAGTGCCTCGCAGCAAAGTGCACAGCCTGTTCCGAGA
 TCCTTGCCAGCTCCTAAAACCTATGGTAGCATGAAAGATGACAGTTGAAAGATGGCTGTTAC

ACGCGTACGCGGCGGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC211364 representing NM_020846
 Red=Cloning site Green=Tags(s)

MEDVNSNVNADQEVKRLQELVKKLEKQNEQLRSRSGAVQGAGSLGPGSPVRAGASIPSSGAASPRGFPLG
 LSAKSGGGPGSGPRRTSSEELRDATSLLAAGEGGLLDEVEPLRPDELERLSGWEEEEESWLYSSPKKLT
 PMQKSVSPLVWCRQVLDYSPDVECAKSLIHKLDQTMALKRQNLNNPFSMSYTSYSPNASSPYSS
 GFNSPSTPVRPPIVKQLILPGNSGNLKSSDRNPPLSPQSSIDSELASELDEDSIGSNYKLNVDVQI
 LARMQEEESLRQEYAATTSRRSSGSCNSTRRGTFSDQELDAQSLDDEDDNMHHAVYPAVNRFSPPRNSP
 RPSPKQSPRNSPRSRSPARGIEYSRVSPQPMISRLQQPRLSLQGHPTDLQTSNVKNEEKLRRSLPNLSRT
 SNTQVDSVKSSRSDSNFQVPNGGIPRMQPQASAIIPSPGKFRSPAAPSPLALRQPVKAFSNHGSGSPGSQE
 ITQLTQTSSPMPMVQSTVSNAPPSNINSATLTRPAGTTAMRSLPRPSAPSAGGIPVPRSKLAQPVRR
 SLPAPKTYGSMKDDSWKDGCV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8103_e09.zip

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_020846

ORF Size: 1743 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_020846.2](#)

RefSeq Size: 6011 bp

RefSeq ORF: 1746 bp

Locus ID: 57606

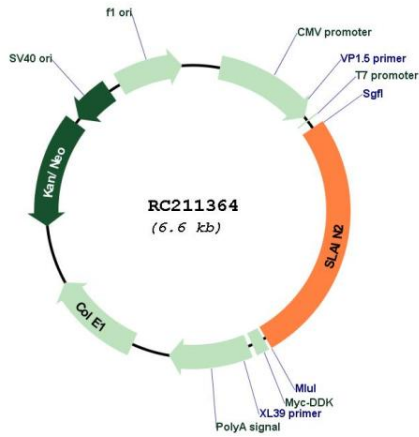
UniProt ID: [Q9P270](#)

Cytogenetics: 4p11

MW: 62.5 kDa

Gene Summary: Binds to the plus end of microtubules and regulates microtubule dynamics and microtubule organization. Promotes cytoplasmic microtubule nucleation and elongation. Required for normal structure of the microtubule cytoskeleton during interphase.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC211364