

Product datasheet for **SC316549**

SLAIN2 (NM_020846) Human Untagged Clone

Product data:

Product Type: Expression Plasmids

Tag: Tag Free

Symbol: SLAIN2

Synonyms: KIAA1458

Vector: pCMV6 series

Fully Sequenced ORF: >NCBI ORF sequence for NM_020846, the custom clone sequence may differ by one or more nucleotides

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ATGGAGGACGTTAACTCCAACGTGAACGCGGACCAGGAGGTGCGGAAGCTGCAGGAGCTG
GTGAAGAAGCTGGAGAAGCAGAACGAACAGCTGAGGAGCCGCTCGGGGGCCGTGCAGGGC
GCCGGCTCCCTTGGGCCCGGCAGCCGGTTCGGGCCGCGCGTCCATTCCCTCCTCCGGC
GCGGCGTCTCCTCGGGGCTTCCCTTGGGCTCAGCGCAAGTCGGGCGGCGGGCCCGG
TCGGGCCCCGAGGCGGACGAGTAGCGAAGAGCTGCGGGACGCCACCTCTTGCTAGCGGCG
GGCGAGGGCGGCTTGCTGGACGAGGTGGAGCCGCTGCGGCCGACGAGCTGGAGCGCCTG
TCAGGCTGGGAGGAGGAGGAGGAGCTGGCTGTATTATCACCAGAAAAAACTTACA
CCAATGCAGAAATCGGTTAGTCCATTAGTTTGGTGACGGAAGTTTGGATTACCCAAGT
CCTGATGTTGAGTGTGCTAAAAATCTCTTATCCACAACTTGATCAAACTATGTCAGCT
CTCAAGAGGCAGAAATTTATATAATAATCCTTTCAACTCTATGAGTTACACCAAGTCCTTAC
AGTCCAAATGCCAGTAGCCATACAGCAGTGGCTTCAATTCTCCATCCTCAACCCAGTG
CGACCTCCTATAGTCAACAGCTTATACTTCTGGAATTCAGGTAAGTGAAGGCTCA
GACAGAAATCCTCACTCAGTCTCAGTCTCTATAGATAGTGAGTTAAGTGCTTCAGAA
TTAGATGAAGATTCAATTGGATCCAATTATAAGCTAAATGATGTAAGTGTACAGATT
CTAGCCCGGATGCAGGAAGAAAGTCTCCGGCAAGAATATGCAGCCACCACGTCTCGGCGC
AGTTCTGGTTTCATCTTGCAATTCTACAAGACGGGTAATTTAGTGATCAGGAAGTGTAT
GCACAAAGTTTAGATGATGAAGATGACAATATGCATCATGCAGTATACCTGCTGTTAAC
AGGTTTTTACCATCACCACGCAATTACCTCGACCGTCACCTAAGCAGTCACCCAGAAAT
TCACCTCGTTCACGATCTCCTGCTCGGGGAATAGAATATAGTAGAGTGTCCTCACAGCCT
ATGATTAGCCGCTTACAGCAACCTCGCCTTTCACTTCAAGGCCATCCCACAGATTTACAG
ACAAGCAATGTTAAAAATGAAGAAAACTAAGACGCAGTCTTCCAAACCTGTCCCGAACA
TCTAATACACAAGTTGACTCAGTGAAGAGCAGCAGAAAGTGAATTTTCAAGTGCCA
AACGGAGGAATACCTCGTATGCAACCTCAGGCTTCAGCCATACCTTCTCCAGGCAAAATTC
CGTTCCTCCGTCAGCACCATCTCCTTGGCTCTTCGGCAACCAAGTGAAGCATTAGTAAC
CATGGCTCTGGTTCTCCTGGTAGCCAAGAAATAACACAGCTCACACAAACCACTCTCA
CCTGGGCTCCTATGGTTTCAGAGCACAGTCTCAGCAAAATCCTCCAGCAATATCAACAGC
GCTACTCTAACCAGACCTGCAGGGACAAGTGAATGAGAAGTGGCTTGCCAGACCCAGT
GCCCCCTTCTGCTGGGGGCATACCAAGTGCCTCGCAGCAAACTGCACAGCCTGTTGCGAGA
TCCTTGCCAGCTCCTAAACCTATGGTAGCATGAAAGATGACAGTTGGAAGATGGCTGT
TAC
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Restriction Sites:	Please inquire
ACCN:	NM_020846
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).
OTI Annotation:	This TrueClone is provided through our Custom Cloning Process that includes sub-cloning into OriGene's pCMV6 vector and full sequencing to provide a non-variant match to the expected reference without frameshifts, and is delivered as lyophilized plasmid DNA.
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>NM_020846.1, NP_065897.1</u>
RefSeq Size:	6011 bp
RefSeq ORF:	1746 bp
Locus ID:	57606
UniProt ID:	<u>Q9P270</u>
Cytogenetics:	4p11
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]