

Product datasheet for **SC304993**

Claspin (CLSPN) (NM_022111) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Claspin (CLSPN) (NM_022111) Human Untagged Clone
Tag:	Tag Free
Symbol:	Claspin
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC304993 sequence for NM_022111 edited (data generated by NextGen Sequencing)

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 CGAAGCATCTTCAAATATTTGGAGACTAA

Clone variation with respect to NM_022111.3

Restriction Sites:

Please inquire

ACCN:

NM_022111

Insert Size:

4300 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).

OTI Annotation:

The ORF of this clone has been fully sequenced and found to be a perfect match to NM_022111.2.

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_022111.2](#), [NP_071394.2](#)

RefSeq Size: 8484 bp

RefSeq ORF: 4020 bp

Locus ID: 63967

UniProt ID: [Q9HAW4](#)

Cytogenetics: 1p34.3

Gene Summary: The product of this gene is an essential upstream regulator of checkpoint kinase 1 and triggers a checkpoint arrest of the cell cycle in response to replicative stress or DNA damage. The protein is also required for efficient DNA replication during a normal S phase. Multiple transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Jun 2010]

Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1). Sequence Note: This RefSeq record was created from transcript and genomic sequence data to make the sequence consistent with the reference genome assembly. The genomic coordinates used for the transcript record were based on transcript alignments.