

## Product datasheet for **SC304281**

### CLASP1 (NM\_015282) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	CLASP1 (NM_015282) Human Untagged Clone
Tag:	Tag Free
Symbol:	CLASP1
Synonyms:	MAST1
Vector:	<u>pCMV6 series</u>
Fully Sequenced ORF:	>NCBI ORF sequence for NM_015282, the custom clone sequence may differ by one or more nucleotides

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ATGGAGCCTCGCATGGAGTCTGCCTGGCGCAGGTGTTGCAGAAGGATGTGGGAAACGA
TTGCAGGTTGGCCAAGAAGTATAGACTATTTCTCAGACAAACAGAAGTCTGCTGACCTT
GAGCATGACCAGACCATGTTAGATAAACTTGTGGATGGACTTGCTACCTTTGGGTGAAC
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CAAGCTGCTAATCCCCAGTACGTATGGGACAGAATGCTTGGAGGCTTCAAACACAAGAAT
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CAGACTTTAACACTAAGCAAGATTGTGCCACATATATGCAACTTACTTGGAGATCCAAAC
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CGTGTGAGGGCAGATCTCAGTAAAAAAGGATTGCCACAGTCCCGGTTGAATGTAATTTTT
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TCCACCCTTGGATCCAAGTCTTCAGCTGCAAAAAGAAGGAGCTGGTGTGTTGATGAAGAG
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GCAGAGCACTTGTACCACACCTTGGAGTCTCCTACCAGAAAGCCCTGCAGTCCCACCTG
AAGAACTCAGACAGCATAGTGTCTCTGCCTCAGTCAGACCCTCATCTTCCAGCTCTCAA
GAGAGTCTAAATCGTCCGCTGTCTGCCAAAAGAAGTCTACTGGAAGTACCACATCTAGA

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GCTTCTACAGTTAGTACCAAATCTGTGTCAACGACTGGGTCCCTCCAGCGATCTCGAAGT  
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 TACTCTCCAGCATGCTGGACTATGATACAGAGAACCTGAACTCTGAAGAAATCTATAGT  
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 TTTAAAAACTACGCCGAGCTGACGATTATGAAGACTCTGGAAGCCCAAAAGACTCCCAT  
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 CTCCTTGTGACATCATCCAGGCTTGTGTCAGGGTTATGACAACACCGAAAAGTAGTGTG  
 CGTAAGGCCAGCGTGTGTTGCTTAGTGGCAATTTATTCCGTAATCGGAGAAGACCTGAAA  
 CCTCACCTTGACAGCTCACAGGGAGCAAGATGAAGCTACTAACTTATACATAAAGAGG  
 GCCCAGACCACCAACAGCAACAGCAGCTCCTCCTCGATGTCTCCACGCACAGCTAA

**Restriction Sites:**

Please inquire

**ACCN:**

NM\_015282

<b>OTI Disclaimer:</b>	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).
<b>OTI Annotation:</b>	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.
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<u>NM_015282.1, NP_056097.1</u>
<b>RefSeq Size:</b>	8089 bp
<b>RefSeq ORF:</b>	4617 bp
<b>Locus ID:</b>	23332
<b>UniProt ID:</b>	<u>Q7Z460</u>
<b>Cytogenetics:</b>	2q14.2-q14.3
<b>Gene Summary:</b>	<p>CLASPs, such as CLASP1, are nonmotor microtubule-associated proteins that interact with CLIPs (e.g., CLIP170; MIM 179838). CLASP1 is involved in the regulation of microtubule dynamics at the kinetochore and throughout the spindle (Maiato et al., 2003 [PubMed 12837247]).[supplied by OMIM, Mar 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (1).</p>