

Product datasheet for **SC207038**

CASTORI (NM_001037666) Human 3' UTR Clone

Product data:

Product Type:	3' UTR Clones
Symbol:	CASTORI
Synonyms:	GATSL3
Mammalian Cell	Neomycin
Selection:	
Vector:	pMirTarget (PSI00062)
ACCN:	NM_001037666
Insert Size:	533 bp
Insert Sequence:	<p>>SC207038 3'UTR clone of NM_001037666</p> <p>The sequence shown below is from the reference sequence of NM_001037666. The complete sequence of this clone may contain minor differences, such as SNPs.</p> <p>Blue=Stop Codon Red=Cloning site</p> <pre> GGCAAGTTGGACGCCCGCAAGATCCGCGAGATTCTCATTAAAGCCAAGAAGGGCGGAAAGATCGCCGTG TAACAATTGGCAGAGCTCAGAATTCAAACGATCGCC CAGCGGCGGCAGGAAGGCTTGCTTCCAGGCCCATGGGCAACAGAGCAGCCTCCCTGCTCTCCCTC GACCCAGGCTTCCAAGACTTCTCTAAGCTATTTCTTAAGCTCTGGAACGAGCCCCCTGTTCTGCTGG GGACCTCGTTCGCTCTCTGTATGAAGCTGCGTGACGGCACCAGGCTTTACGCGGACACCTGTGTAC ACTCACAGGTGGAGTGGGCGAGGTGCTAGCCTGACTGCGTGTCTGCCCATGCAGGGGAACACGGTGCTCG GGGCTTAAGCCCCCAACCATCACTCCCTGCGCAGCCTCGGCGTTTGACAGTCCCTGCCTGAGGCCTG AGCCATTCCCCAAGGCTTCTGGGCCAGCTGCCCGCTGACCTCCGTTCTGCCTCTGGTGGGGTTGCC TTCCCTGGCCAGGTGAGTCTGACAGTGCCTCTCCCTCTGGGGCTCCAAGGAAAGTATTTGACATC TCTCTCTTCTGTTTTATTGACTTGTTAATAAAGGACTTTGTAGTGAC ACGCGTAAGCGGCCGCGGCATCTAGATTGGAAGAAAATGACCGACCAAGCGACGCCAACCTGCCATCA CGAGATTTGATTCCACCGCCGCTTCTATGAAAGG </pre>
Restriction Sites:	SgfI-MluI
OTI Disclaimer:	Our molecular clone sequence data has been matched to the sequence identifier above as a point of reference. Note that the complete sequence of this clone is largely the same as the reference sequence but may contain minor differences , e.g., single nucleotide polymorphisms (SNPs).



Components:	The cDNA clone is shipped in a 2-D bar-coded Matrix tube as 10 ug dried plasmid DNA. The package also includes 100 pmols of both the corresponding 5' and 3' vector primers in separate vials.
Note:	Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.
RefSeq:	<u>NM_001037666.3</u>
Summary:	Functions as an intracellular arginine sensor within the amino acid-sensing branch of the TORC1 signaling pathway. As a homodimer or a heterodimer with CASTOR2, binds and inhibits the GATOR subcomplex GATOR2 and thereby mTORC1. Binding of arginine to CASTOR1 allosterically disrupts the interaction of CASTOR1-containing dimers with GATOR2 which can in turn activate mTORC1 and the TORC1 signaling pathway.[UniProtKB/Swiss-Prot Function]
Locus ID:	652968
MW:	18.9