

## Product datasheet for **SC310394**

### GOLM2 (NM\_138423) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	GOLM2 (NM_138423) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLM2
Synonyms:	CASC4; H63
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC310394 representing NM_138423. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAACCGTCAGAATTTGTAAACGACTACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGGGTTTCGGGGCCAACCGCGGGCTGGCCGCTGCCCTCTCTCGTGCTGGTGGTCTGGTG
GTGATCGTCGCTCGCCTTCAACTACTGGAGCATCTCTCCCGCCACGTCTGCTTCAGGAGGAGTG
GCCGAGCTGCAGGGCCAGGTCCAGCGCACCGAAGTGGCCCGGGCGGCTGGAAAAGCGCAATTCGGAC
CTCTTGTGTTGGTGGACACGACAAGAAACAGATCGACCAGAAGGAGGCCGACTACGGCCGCTCAGC
AGCCGGCTGCAGGCCAGAGGGCCTCGGAAGAGATGCGAGGATGACAAGGTTAACTACAGAACAAC
ATATCGTATCAGATGGCAGACATACATCATTTAAAGGAGCAACTTGTGAGCTTCGTGAGGAATTTCTT
CGACAAGAAGACCAGCTTCAGGACTATAGGAAGAACAATACTTACCTTGTGAAGAGGTTAGAATATGAA
AGTTTTAGTGTGACAGCAGATGAAGGAATTGAGAGCACAGCATGAAGAAAATATTAAGGATGACA
GACCAGTTTTAGAGGAACAAAAGCAAGAGACCCAAAAGATTCAATCAAAATGATGAAAAGGAATTGGAT
ATAAACAATCAAGTAGTACCTAAAAATATTCAAAAGTAGCTGAGAATGTTGCAGATAAAGATGAAGAA
CCCTCAAGCAATCATATCCACATGGGAAAAGAACAATCAAAGAGGTGGTATGCAGGGATGCCTGGA
ATAGAAGAGAATGACCTAGCAAAAGTTGATGATCTTCCCCTGCTTAAAGGAAGCCTCTATTTAGTT
TCTCAACATGAAAGTCATCAAGCAATCTCCCATCTTCCAAGTGGACAACCTCTCTCCCAATATGCCT
CCAGATTCACACATAAACCAATGAAAACCCCGTACTTCAAACAGAATCCTTCCAGTCTCTTCCAG
CGTTAATTCAGGCTCAAACCTGGACAGTGAACCCAGAATCAAACAGATATACTAAAGCAGGCTACC
AAGGACAGAGTCAGTGATTTCCATAAAATGAAGCAAAGCCGATTCTTTGATGAAAATGAATCCCCTGTT
GATCCGCAGCATGGCTCTAAACTGGCGGATTATAATGGGGATGATGGTAACGTAGGTGAGTATGAGGCA
GACAAGCAGGCTGAGCTGGCTTACAATGAGGAAGAAGATGGTATGGTGGAGAGGAAGACGTCCAAGAT
GATGAAGAACGAGAGCTTCAATGGATCCTGCAGACTATGGAAGCAACATTTCAATGATGTCCTTAA
ACGGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTAAACGGCCGCGC
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<b>Restriction Sites:</b>	Sgfl-Mlul
<b>ACCN:</b>	NM_138423
<b>Insert Size:</b>	1311 bp
<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><a href="#">NM_138423.3</a></u>
<b>RefSeq Size:</b>	3985 bp
<b>RefSeq ORF:</b>	1311 bp
<b>Locus ID:</b>	113201
<b>UniProt ID:</b>	<u><a href="#">Q6P4E1</a></u>
<b>Cytogenetics:</b>	15q15.3
<b>Protein Families:</b>	Transmembrane
<b>MW:</b>	49.5 kDa
<b>Gene Summary:</b>	<p>The increased expression level of this gene is associated with HER-2/neu proto-oncogene overexpression. Amplification and resulting overexpression of this proto-oncogene are found in approximately 30% of human breast and 20% of human ovarian cancers. Alternatively spliced variants encoding different isoforms have been identified for this gene. [provided by RefSeq, Dec 2010]</p> <p>Transcript Variant: This variant (1) represents the longer transcript, and encodes the longer isoform (a).</p>