

Product datasheet for **SC313230**

GOLM2 (NM_177974) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	GOLM2 (NM_177974) Human Untagged Clone
Tag:	Tag Free
Symbol:	GOLM2
Synonyms:	CASC4; H63
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_177974, the custom clone sequence may differ by one or more nucleotides

```
ATGGTGGGTTTCGGGGCCAACCGCGGGCTGGCCGCCTGCCCTCTCTCGTGCTGGTGGTGTCTGGTGG
TGATCGTCGTCCTCGCCTTCACTACTGGAGCATCTCTCCCGCCACGTCTGCTTCAGGAGGAGGTGGC
CGAGCTGCAGGGCCAGGTCCAGCGCACCGAAGTGGCCCGGGCGGCTGGAAAAGCGCAATTCGGACCTC
TTGCTGTTGGTGGACACGCACAAGAAACAGATCGACCAGAAGGAGGCCGACTACGGCCGCTCAGCAGCC
GGCTGCAGGCCAGAGAGGGCCTCGGAAGAGATGCGAGGATGACAAGGTTAACTACAGAACAACATATC
GTATCAGATGGCAGACATACATCATTTAAAGGAGCAACTTGCTGAGCTTCGTCAGGAATTTCTTCGACAA
GAAGACCAGTTCAGGACTATAGGAAGAACAATACTTACCTTGGAAGAGTTAGAATATGAAAGTTTTTC
AGTGTGGACAGCAGATGAAGGAATTGAGAGCACAGCATGAAGAAAATATTAAGGTTAGCAGACCAGTT
TTTAGAGGAACAAAAGCAAGAGACCCAAAAGATTCAATCAAATGATGGAAAGGAATTGGATATAACAAT
CAAGTAGTACCTAAAAATATCCAAAAGTAGCTGAGAAATGTTGCAGATAAGAATGAAGAACCCTCAAGCA
ATCATATCCACATGGGAAAGAACAATCAAAAGAGGTGGTGTATGCAGGGATGCCTGGAATAGAAGAGAA
TGACCTAGCAAAAGTTGATGATCTTCCCCTGCTTTAAGGAAGCCTCCTATTTTCAGTTTCTCAACATGAA
AGTCATCAAGCAATCTCCCATCTCCAAGTGGACAACCTCTCTCCCAATATGCCTCCAGATTCACACA
TAAACCACAATGGAAACCCGGTACTTCAAACAGAATCCTTCCAGTCTCTTCAGCGTTAATTCAGG
CTCAAATTGGACAGTGAACCCAGAATTCAAACAGATATACTAAAGCAGGCTACCAAGGACAGAGTCAGT
GATTTCCATAAATTGAAGCAAAATGATGAAGAACGAGAGCTTCAAATGGATCCTGCAGACTATGGAAAGC
AACATTTCAATGATGTCCTTTAA
```



[View online »](#)

5' Read Nucleotide Sequence:	>OriGene 5' read for NM_177974 unedited TAGGGCGGCACGCGATTTCGGCACGAGGGTTCCTTGGGCAGGTGCAGGGTCGGGTTCAAAGCCTCCGGAACCGTTTTGGCCTGATTTGAGGAGGGGGCGGGGAGGGACCTGCGGCTTGGCCCGCCCGCCCTTCTCCGGCTCGCAGCCGACCGTAAGCCCGCTCCTCCCTCGGCCGCCCTGGGCGGTGTCCGCCGGCAACTCCAGCCGAGGCTGGGCTTCTGCCTGCAGGTGTCTGCGGCGAGGCCCTAGGGTACAGCCGATTTGGCCCATGGTGGGTTTCGGGGCCAA CCGGCGGGCTGGCCGCTGCCCTCTCTCGTGCTGGTGGTGTCTGGTGGTGATCGTCGT CCTCGCCTTCAACTACTGGAGCATCTCCTCCCGCCACGTCTGCTTCAAGAGGAGGTGGC CGAGCTGCAGGGCCAGGTCCAGCGCACCGAAGTGGCCCGGGCGGCTGAAAAAGCGCAA TTCGACCTCTTGCTGTTGGTGGACACGCACAAGAAACAGATCGACCAGAAGGAGGCCGA CTACGGCCGCTCAGCAGCCGGCTGCAGGCCANGAGGGCCCTCGGAAGAGATGCGAGG ATGACAAGGTTAACTACAGAACAACATATCGTATCAGATGGCAGACATACATCATTTAA AGGAGCAACTTGCTGAGCTTCGTAGGAATTTCTTCGACAAGAAGACCAGCTTCAGGACT ATANGGAAGAAACATACTTACCTTGGGGAAGAAGTTAGAATATTGAAAGNTTTCAGTGGT GGACAGCAGATGAANGGAATGAGAGCACAGCATGAAGAAAATATTAANAAGTTAGCAGAC CAGTTTTTAGAGGACCANNAGCAGAGACCCCNAAAGATCATCAATGATGAAAAAGGATT GGATATAAACATCAGTAGTACCTAAC
Restriction Sites:	NotI-NotI
ACCN:	NM_177974
Insert Size:	4000 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:	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:	<ol style="list-style-type: none"> 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:	<u>NM_177974.1, NP_816929.1</u>
RefSeq Size:	3843 bp
RefSeq ORF:	1143 bp
Locus ID:	113201
UniProt ID:	<u>Q6P4E1</u>
Cytogenetics:	15q15.3

Protein Families: Transmembrane

Gene Summary: 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]

Transcript Variant: This variant (2) lacks an in-frame segment of the coding region, compared to variant 1. It encodes a shorter isoform (b), that is missing an internal segment compared to isoform a.