

Product datasheet for **SC319235**

Malectin (MLEC) (NM_014730) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Malectin (MLEC) (NM_014730) Human Untagged Clone
Tag:	Tag Free
Symbol:	Malectin
Synonyms:	KIAA0152
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_014730.2
GAGCGACATGTCCCCGGCGGCTCAGGCGGAGCGGCCCGTGGCGCTGTTTTCTGAGTCCG
GGGTGGCCTGGCAGCCGGCCGAGGACGAGGGTCGGCGGGGCTGCCCCGTGGTGGTGGC
CGCCATGCTGGGAGCCTGGGCGGTTGAGGGAACCGCTGTGGCGCTCCTGCGACTGCTGCT
GCTGCTGCTGCCCGCGGATCCGGGGACCCGGGCTCGGCGTGGCCGGCGTGGCCGGCGC
GGCGGGGGCCGGGCTGCCGAGAGCGTCATTTGGGCGGTCAACGCGGGTGGAGAGGCGCA
TGTGGACGTGCACGGGATCCACTTCCGCAAGGACCCTTTGGAAGGCCGGGTGGGCCGAGC
CTCAGACTATGGCATGAAACTGCCAATCCTGCGTTCCAACCTGAGGACCAGATCCTGTA
TCAAAGTACGCGGTACAATGAGGAGACCTTTGGCTACGAAGTCCCATCAAAGAGGAGGG
GGACTACGTGCTGGTCTTGAATTTGCAGAGGTCTACTTGCACAGTCCCAGCAAAGGT
ATTTGATGTACGATTGAATGGCCACGTCGTGGTGAAGGACTTGGATATCTTTGATCGTGT
TGGGCATAGCACAGCTCACGATGAAATTATACCTATGAGCATCAGAAAGGGGAAGCTGAG
TGTCACAGGGGAGGTGTCCACCTTACAGGGAACTCTACATTGAGTTTGTCAAGGGGTA
CTATGACAATCCCAAGGTCTGTGCACTCTACATCATGGCTGGGACAGTGGATGATGTACC
AAAGCTTCAGCCTCATCCGGGATTGGAGAAGAAAGAAGAGGAAGAAGAAGAAGAATA
TGATGAAGGGTCTAATCTCAAAAACAGACCAATAAGAACCGGGTGCAGTCAGGCCCCCG
CACACCAACCCCTATGCCTCGGACAACAGCAGCCTCATGTTCCCATCCTGGTGGCCTT
CGGAGTCTTCAATCCAACCCTCTTCTGCCTCTGCCGTTGTGAGAACAAATGACTATCCT
GAACAGGTGGAGGGGTGTGGAAAGAAACCAGCCATATTGGTTTTGGTTTCTGTATTTT
TCACAATGATTAATGAACAAAAAAAAAAAAAAAAAAAAA

Restriction Sites: Please inquire

ACCN: NM_014730



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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:	NM_014730.2 , NP_055545.1
RefSeq Size:	6367 bp
RefSeq ORF:	879 bp
Locus ID:	9761
UniProt ID:	Q14165
Cytogenetics:	12q24.31
Protein Families:	Transmembrane
Gene Summary:	<p>This gene encodes the carbohydrate-binding protein malectin which is a Type I membrane-anchored endoplasmic reticulum protein. This protein has an affinity for Glc2Man9GlcNAc2 (G2M9) N-glycans and is involved in regulating glycosylation in the endoplasmic reticulum. This protein has also been shown to interact with ribophorin I and may be involved in the directing the degradation of misfolded proteins. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Jan 2015]</p> <p>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.</p>