

## Product datasheet for **SC307610**

### Dectin 1 (CLEC7A) (NM\_197947) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Dectin 1 (CLEC7A) (NM_197947) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dectin 1
Synonyms:	BGR; CANDF4; CD369; CLECSF12; DECTIN1; SCARE2
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)

**Fully Sequenced ORF:** >OriGene sequence for NM\_197947 edited  
CTCTCAAGAACAATGGAATATCATCCTGATTTAGAAAATTTGGATGAAGATGGATATACT  
CAATTACACTTCGACTCTCAAAGCAATACCAGGATAGCTGTTGTTTCAGAGAAAGGATCG  
TGTGCTGCATCTCCTCCTTGCGCCTCATTGCTGTAATTTTGGGAATCCTATGCTTGTA  
ATACTGGTGATAGCTGTGGTCCCTGGGTACCATGGCTATTTGGAGATCCAATTCAGGAAGC  
AACACATTGGAGAATGGCTACTTTCTATCAAGAAATAAAGAGAACCACAGTCAACCCACA  
CAATCATCTTTAGAAGACAGTGTGACTCCTACCAAAGCTGTCAAACCACAGGGTTCTT  
TCCAGCCCTTGCCTCCTAATTGGATTATATGAGAAGAGCTGTATCTATTTCAGCATG  
TCACTAAATTCCTGGGATGGAAGTAAAAGACAATGCTGGCAACTGGGCTCTAATCTCCTA  
AAGATAGACAGCTCAAATGAATTGGGATTATAGTAAAACAAGTGTCTTCCCAACCTGAT  
AATTCATTTTGGATAGGCCTTTCTCGGCCCCAGACTGAGGTACCATGGCTCTGGGAGGAT  
GGATCAACATTCTCTTAACTTATTTTCAGATCAGAACCACAGCTACCCAAGAAAACCCA  
TCTCAAATTGTGTATGGATTACGTGTGAGTCAATTTATGACCAACTGTGTAGTGTGCC  
TCATATAGTATTTGTGAGAAGAAGTTTTCAATGTAA

Restriction Sites:	Please inquire
ACCN:	NM_197947
Insert Size:	744 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:	It is not a variant. ORF exactly matches with reference.



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<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>	<a href="#">NM_197947.1</a> , <a href="#">NP_922938.1</a>
<b>RefSeq Size:</b>	2592 bp
<b>RefSeq ORF:</b>	744 bp
<b>Locus ID:</b>	64581
<b>UniProt ID:</b>	<a href="#">Q9BXN2</a>
<b>Cytogenetics:</b>	12p13.2
<b>Protein Families:</b>	Druggable Genome, Transmembrane
<b>Gene Summary:</b>	<p>This gene encodes a member of the C-type lectin/C-type lectin-like domain (CTL/CTLD) superfamily. The encoded glycoprotein is a small type II membrane receptor with an extracellular C-type lectin-like domain fold and a cytoplasmic domain with an immunoreceptor tyrosine-based activation motif. It functions as a pattern-recognition receptor that recognizes a variety of beta-1,3-linked and beta-1,6-linked glucans from fungi and plants, and in this way plays a role in innate immune response. Alternate transcriptional splice variants, encoding different isoforms, have been characterized. This gene is closely linked to other CTL/CTLD superfamily members on chromosome 12p13 in the natural killer gene complex region. [provided by RefSeq, Jul 2008]</p> <p>Transcript Variant: This variant (1) represents the longest transcript and encodes the longest isoform (a). Variant 1 has been alternatively referred to as variant 2 and isoform a has been alternatively referred to as alpha in the literature.</p>