

Product datasheet for **SC107747**

Dectin 1 (CLEC7A) (NM_197954) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Dectin 1 (CLEC7A) (NM_197954) Human Untagged Clone
Tag:	Tag Free
Symbol:	Dectin 1
Synonyms:	BGR; CANDF4; CD369; CLECSF12; DECTIN1; SCARE2
Mammalian Cell Selection:	None
Vector:	<u>pCMV6-XL4</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>OriGene ORF within SC107747 sequence for NM_197954 edited (data generated by NextGen Sequencing) ATGGAATATCATCCTGATTTAGAAAATTTGGATGAAGATGGATATACTCAATTACACTTC GACTCTCAAAGCAATACCAGGATAGCTGTTGTTTCAGAGAAAGGATCGTGTGCTGCATCT CCTCCTTGGCGCCTCATTGCTGTAATTTTGGGAATCCTATGCTTGGTAATACTGGTGATA GCTGTGGTCTGGGTACCATGGCTGTTTCAAAGCTGTGGAATCAAAGGATAA
5' Read Nucleotide Sequence:	Clone variation with respect to NM_197954.2 >OriGene 5' read for NM_197954 unedited NNNNNNCCTTCTTACCCCGCCCGTTGCCTCAAAGGGCGGTAGGCGTGTACGGTGGGNAG GTCTATATAAGCAGAGCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATA GGGCGGCCGGAATTCGGCACGAGCAGGAGCAGAAAGAAAAGAGCTCCCAAATGCTATAT CTATTCAGGGGCTCTCAAGAACAATGGAATATCATCCTGATTTAGAAAATTTGGATGAAG ATGGATACTCAATTACACTTCGACTCTCAAAGCAATACCAGGATAGCTGTTGTTTCAG AGAAAGGATCGTGTGCTGCATCTCCTCCTGGCGCCTCATTGCTGTAATTTTGGGAATCC TATGCTTGGTAATACTGGTGATAGCTGTGGTCTGGGTACCATGGCTGGTTTCAAAGCTG TGGAATCAAAGGATAAATTAATGAAGAAAACAAGCGGAGCTGAAGAAGAAAGTACAATA TGGTGCTGCTTCTTAATGAAATAAATTAATAAATGACCAAAAAAAAAAAAAAAAAAAAA AAAAAAAAAAAACTCGACTCTAGATTGCGGCCGCGGTATAGCTGTTTCTGAACAGATC CCGGGTGGCATCCCTGTGACCCCTCCCAAGTGCCTCTCCTGGCCCTGGAAGTTGCCACTC CAGTGCCACACAGCCTTGTCTTAATAAAATTAAGTTGCATCATTTTGTCTGACTAGGTGT CCTTCTTAATATATGGGGTGGAGGGGGGGNNTNNNAACCAAGGGGCAAGTGGGGGAA GACAACCTGTAGGGCCTGCGGGGTCTATTGGGAACCAAGCTGGAGTGCAGTGGCACAATC TTGGCTACTGCAATCTCCGCTCCTGGGTTTCAAGCAATTTCTCCGCTCAA
Restriction Sites:	NotI-NotI



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ACCN:	NM_197954
Insert Size:	2500 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).
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_197954.1 , NP_922945.1
RefSeq Size:	511 bp
RefSeq ORF:	234 bp
Locus ID:	64581
UniProt ID:	Q9BXN2
Cytogenetics:	12p13.2
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	<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 (6) has multiple differences in the coding region, compared to variant 1, one of which results in an early stop codon. The resulting protein (isoform f) has a distinct C-terminus and is much shorter than isoform a.</p>