

Product datasheet for **SC321495**

Galectin 7 (LGALS7) (NM_002307) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Galectin 7 (LGALS7) (NM_002307) Human Untagged Clone
Tag:	Tag Free
Symbol:	Galectin 7
Synonyms:	GAL7; LGALS7A
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC (PS100020)
E. coli Selection:	Ampicillin (100 ug/mL)

Fully Sequenced ORF: >OriGene sequence for NM_002307.1
CAACCCGGTCCCAGCCATGTCCAACGTCCCCACAAGTCCTCGCTGCCCGAGGGCATCCG
CCCTGGCACGGTGCTGAGAATTCGCGGCTTGGTTCCTCCAATGCCAGCAGGTTCCATGT
AAACCTGCTGTGCGGGGAGGAGCAGGGCTCCGATGCCGCCCTGCATTTCAACCCCGGCT
GGACACGTCGGAGGTGGTCTTCAACAGCAAGGAGCAAGGCTCCTGGGGCCGCGAGGAGCG
CGGGCCGGGCGTTCCTTTCCAGCGCGGGCAGCCCTTCGAGGTGCTCATCATCGCGTCAGA
CGACGGCTTCAAGGCCGTGGTGGGGACGCCAGTACCACCACTCCGCCACCGCCTGCC
GCTGGCGCGCTGCGCCTGGTGGAGGTGGGCGGGGACGTGCAGCTGGACTCCGTGAGGAT
CTTCTGAGCAGAAAGCCAGGCGGGCCCGGGCCTTGGCTGGCAAATAAAGCGTTAGCCCG
CAGAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA

Restriction Sites:	Please inquire
ACCN:	NM_002307
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).



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Reconstitution Method:

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_002307.1](#), [NP_002298.1](#)

RefSeq Size: 498 bp

RefSeq ORF: 411 bp

Locus ID: 3963

UniProt ID: [P47929](#)

Cytogenetics: 19q13.2

Protein Families: Secreted Protein

Gene Summary: The galectins are a family of beta-galactoside-binding proteins implicated in modulating cell-cell and cell-matrix interactions. Differential and in situ hybridization studies indicate that this lectin is specifically expressed in keratinocytes and found mainly in stratified squamous epithelium. A duplicate copy of this gene (GeneID:653499) is found adjacent to, but on the opposite strand on chromosome 19. [provided by RefSeq, Jul 2008]