

Product datasheet for **RC204625**

LGALS14 (NM_020129) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: LGALS14 (NM_020129) Human Tagged ORF Clone
Tag: Myc-DDK
Symbol: LGALS14
Synonyms: CLC2; PPL13
Vector: pCMV6-Entry (PS100001)
E. coli Selection: Kanamycin (25 ug/mL)
Cell Selection: Neomycin
ORF Nucleotide Sequence: >RC204625 ORF sequence
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGGATCGCC**

ATGTCATCACTACCCGTACCATACACACTGCCTGTTTCCTTGCCGTTGGTTCGTGCGTGATAATCACAG
GGACACCGATCCTCACTTTGTCAAGGACCCACAGCTGGAGGTGAATTTCTACACTGGGATGGATGAGGA
CTCAGATATTGCTTTCCAATTCCGACTGCACTTTGGTCATCCTGCAATCATGAACAGTCGTGTGTTGGC
ATATGGAGATATGAGGAGAAATGCTACTATTTACCTTTGAAGATGGCAAACCATTTGAGCTGTGCATCT
ATGTGCGTCACAAGGAATACAAGGTAATGGTAAATGGCCAACGATTTACAACCTTGCCCATCGATTCCC
GCCAGCATCTGTGAAGATGCTGCAAGTCTTGAGAGATATCTCCCTGACCAGAGTGCTTATCAGCGAT

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence: >RC204625 protein sequence
Red=Cloning site Green=Tags(s)
MSSLPVPYTLPVSLPVGSCVITGTPILTFVKDPQLEVNFTGMDSDIAFQFRLHFGHPAIMNSRVFG
IWRYEKCYLFPEDGKPFELCIYVRHKEYKVMVNGQRIYNFAHRFPASVKMLQVLRDISLTRLISD

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

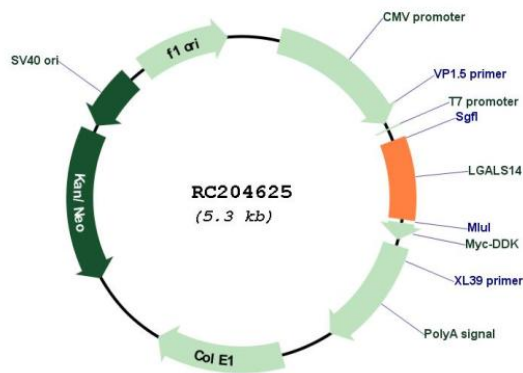
Chromatograms: https://cdn.origene.com/chromatograms/mk6551_f11.zip

Restriction Sites: Sgfl-Mlul



[View online >](#)

Cloning Scheme:

Plasmid Map:


ACCN: NM_020129

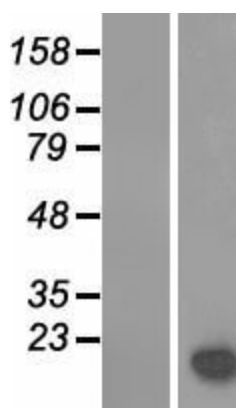
ORF Size: 417 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

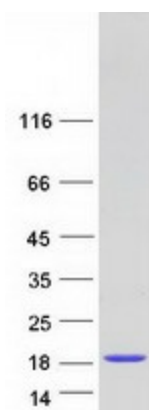
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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_020129.3</u>
RefSeq Size:	794 bp
RefSeq ORF:	420 bp
Locus ID:	56891
UniProt ID:	<u>Q8TCE9</u>
Cytogenetics:	19q13.2
Domains:	Gal-bind_lectin
Protein Families:	Transmembrane
MW:	16.1 kDa
Gene Summary:	This gene is predominantly expressed in placenta. The encoded protein belongs to the galectin (galaptin/S-lectin) family. The members of galectin family contain one or two carbohydrate recognition domains, which can bind beta-galactoside. Two alternatively spliced transcript variants encoding distinct isoforms have been observed. [provided by RefSeq, Jul 2008]

Product images:



Western blot validation of overexpression lysate (Cat# [LY412669]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC204625 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).



Coomassie blue staining of purified LGALS14 protein (Cat# [TP304625]). The protein was produced from HEK293T cells transfected with LGALS14 cDNA clone (Cat# RC204625) using MegaTran 2.0 (Cat# [TT210002]).