

Product datasheet for RC225821L3

LILRA2 (NM_001130917) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Tag: Myc-DDK

Symbol: LILRA2

Synonyms: CD85H; ILT1; LIR-7; LIR7

Mammalian Cell Puromycin

Selection:

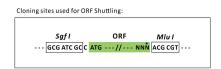
Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

ORF Nucleotide Sequence: The ORF insert of this clone is exactly the same as(RC225821).

Restriction Sites: Sgfl-Mlul

Cloning Scheme:



			Kozak Consensus	
EcoR I	BamH I	RBS	Sgf I	ORF
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C ATG				
	Mlu I	Not I Xho I	Myc.Tag	
NNŇ		CGG CCG CTC GAG	CAG AAA CTC ATC	TCA GAA GAG
	TRT	R P L E	QKLI	S E E
DDK.Tag				
GAT CTG GCA GCA AAT GAT ATC CTG GAT TAC AAG GAT GAC GAC GAT AAG GTT TGGGTAGGAAG				
DL AANDI	L DYK	D D D D K	_ v	

^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_001130917

ORF Size: 1449 bp



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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: 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um

filter is required.

RefSeq: <u>NM_001130917.1</u>, <u>NP_001124389.1</u>

RefSeq ORF: 1452 bp

Locus ID: 11027

Cytogenetics: 19q13.42

MW: 52.8 kDa

Gene Summary: This gene encodes a member of a family of immunoreceptors that are expressed

predominantly on monocytes and B cells, and at lower levels on dendritic cells and natural

killer cells. The encoded protein is an activating receptor that inhibits dendritic cell differentiation and antigen presentation and suppresses innate immune response.

Alternatively spliced transcript variants encoding different isoforms have been found. This gene is located in a cluster of related genes on chromosome 19 and there is a pseudogene for

this gene on chromosome 3. [provided by RefSeq, Mar 2014]