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Product datasheet for SC307398

LILRA5 (NM_181986) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	LILRA5 (NM_181986) Human Untagged Clone
Tag:	Tag Free
Symbol:	LILRA5
Synonyms:	CD85; CD85F; ILT-11; ILT11; LILRB7; LIR-9; LIR9
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC307398 representing NM_181986. Blue=Insert sequence Red=Cloning site Green=Tag(s) GCTCGTTTAGTGAACCGTCAGAATTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTG GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC ATGGCACCATGGTCTCATCCATCTGCACAGCTGCAGCCAGTGGGAGGAGACGCCGTGAGCCCTGCCCTC ATGGTTCTGCTCTGCCTCGGGAACCTCTCCAAAGCCACCCTCTGGGCTGAGCCAGGCTCTGTGATCAGC CGGGGGAACTCTGTGACCATCCGGTGTCAGGGGACCCTGGAGGCCCAGGAATACCGTCTGGTTAAAGAG GGAAGCCCAGAACCCTGGGACACACAGAACCCACTGGAGCCCAAGAACAAGGCCAGATTCTCCATCCCA TCCATGACAGAGCACCATGCAGGGAGATACCGCTGTTACTACTACAGCCCTGCAGGCTGGTCAGAGCCC AGCGACCCCCTGGAGCTGGTGGTGACAGGATTCTACAACAAACCCACCCTCTCAGCCCTGCCCAGTCCT GTGGTGACCTCAGGAGAGAACGTGACCCTCCAGTGTGGCTCACGGCTGAGATTCGACAGGTTCATTCTG ACTGAGGAAGGAGACCACAAGCTCTCCTGGACCTTGGACTCACAGCTGACCCCCAGTGGGCAGTTCCAG GCCCTGTTCCCTGTGGGCCCTGTGACCCCCAGCCACAGGTGGATGCTCAGATGCTATGGCTCTCGCAGG CATATCCTGCAGGTATGGTCAGAACCCAGTGACCTCCTGGAGATTCCGGTCTCAGGTGAGGAAGCCACA GTCTTCTCTAGTACAATTCAGGGAAGCCAGACAGGTTGTGGAGAGCTTTACAGGCAGGGCAGCCCCTGC TAA ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
Restriction Sites:	SgfI-MluI
Plasmid Map:	
ACCN:	NM_181986
Insert Size:	762 bp

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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).
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_181986.2
RefSeq Size:	1045 bp
RefSeq ORF:	762 bp
Locus ID:	353514
UniProt ID:	A6NI73
Cytogenetics:	19q13.42
MW:	27.9 kDa
Gene Summary:	The protein encoded by this gene is a member of the leukocyte immunoglobulin-like receptor (LIR) family. LIR family members are known to have activating and inibitory functions in leukocytes. Crosslink of this receptor protein on the surface of monocytes has been shown to induce calcium flux and secretion of several proinflammatory cytokines, which suggests the roles of this protein in triggering innate immune responses. This gene is one of the leukocyte receptor genes that form a gene cluster on the chromosomal region 19q13.4. Four alternatively spliced transcript variants encoding distinct isoforms have been described. [provided by RefSeq, Jul 2008] Transcript Variant: This variant (4), also known as LIR9s2, lacks an in-frame coding segment and differs in the 3' end-region, as compared to variant 1. The resulting isoform (4) lacks an internal region and has a distinct and shorter C-terminus as compared to isoform 1.