

Product datasheet for **SC106931**

ILDR1 (NM_175924) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Tag Free
Symbol:	ILDR1
Synonyms:	DFNB42; ILDR1alpha; ILDR1alpha'; ILDR1beta
Mammalian Cell	None
Selection:	
Vector:	<u>pCMV6-XL5</u>
E. coli Selection:	Ampicillin (100 ug/mL)



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Fully Sequenced ORF: >OriGene ORF within SC106931 sequence for NM_175924 edited (data generated by NextGen Sequencing)

ATGGCATGGCCAACTGCCCCACCTTGGCTGCTGCTCTGCACCTGGCTCCCAGCAGGG
 TGCCTGTCCTTGCTTGTGACGGTCCAGCACAGAACGCTATGTACCCCTGTTTGCCTCT
 ATCATCTCAAATGTGACTACACCACCTCTGCCAGCTCCAGGACGTGGTGGTACATGG
 CGCTTCAAGTCCTTCTGCAAGGACCCTATCTTTGACTACTACTCAGCGTCATACCAGGCA
 GCTTTATCCCTGGCCAGGACCCATCCAATGACTGCAACGACAACCAGCGGGAAGTTCGC
 ATAGTGGCCAGCGCGGGGGCAGAATGAGCCCGTGTGGGGTAGATTACCGGCAGCGC
 AAGATCACCATCCAGAACCAGCAGATCTCGTGATAAATGAAGTATGTGGTGGGACCAT
 GGAGTGTATTACTGCACCATGAGGCTCCAGGGGACACATCAGGAGACCCCGATAAGGAA
 GTAAAGCTCATCGCTTACACTGGCTGACAGTGATCTTCATCATCTGGGAGCCCTCCTC
 CTCCTGCTGCTGATTGGAGTGTGCTGGTGCCAGTGCTGTCCAGTATTGCTGCTGCTAT
 ATCCGCTGTCCCTGCTGTCTGCCACTGCTGTCTGAGGAAGATTGTCCCTGCGG
 TCCAGCTCCCGCAGATGCCAATGACCCAGACCACCAATCAGCCTCCCATCGCCAATGGT
 GTCCTGGAGTATTTGGAGAAAAGAACTGCGGAACCTCAACCTGGCCAGCCTCTGCCCCCT
 GACCTCAAAGGCAGATTGGCCATCCCTGCAGCATGCTGTCTCCCTGGGCTCTGAGGTC
 GTGGAACGCAGAATCATCCACCTGCCCCACTGATCAGAGACCTGTCTCTCAAGGAGG
 ACCAGTGACTCCCTGCACCAGCAGTGGCTCACCCCAATTCCCTCCAGGCCCTGGGATCTG
 AGGGAGGGGAGAAGCCACCACCATACCTGATTTCACCAGGAGCTCCAGGACCGGGG
 CCAAAGTCTTGGGCATTGGAAAGAAGGGAGTTGGACCCATCGTGGAGTGAAGGCACCGT
 AGCTCTAGGCTGAATGGGTACCCATACACTGGTCAGACAGGGACAGCCTAAGCGATGTC
 CCCTCATCAGTGAGGCACGCTGGCGGCCGAGCCACCTCCTTTAGGAGCCGCTGTGAG
 GAGAGGCCCGCAGGCCAGCCCCGGGAGAGCACTCAGAGGCACGGGAGACGACGAGG
 CACCGCAGTACTCTCCTCCCTTGCCTCCGGCCTCAGTTCCTGGAGCTCTGAAGAGGAC
 AAGGAGAGGCAGCCCCAGAGCTGGCGGGGCCACCGCCGCGGCTCGCACTCCCCACACTGG
 CCCGAGGAGAAGCCGCCTAGTACCGCTCACTGGATATCACTCCAGGCAAGAATAGCAGG
 AAAAAAGGGAGTGTGGAGAGGCGCTCGGAGAAAACAGCTCTCATAGTGAAGGAGTGTG
 GTCATTTAG

Clone variation with respect to NM_175924.3
 659 c=>g;1413 t=>g

5' Read Nucleotide Sequence: >OriGene 5' read for NM_175924 unedited

NNNNNTTGTTCAGGATTGTATACGACTCATATAGGCGGCCGCGCAATTCGCACGAGGCT
 TGGAGAAGTGGTGCCTCTGGGGCGGCAGCTGAGGAAGAAAGACGAGTGCCCCGAAGCC
 CCTGAGCTGAAAAGGGCCAGAAAGGGGGCGGCATGGCATGGCCAACTGCCCGCACCTT
 GGCTGCTGCTCTGCACCTGGCTCCCAGCAGGGTGCCTGTCTTGTGACGGTCCAGC
 ACACAGAACGCTATGTCACCTGTTTGCCTCTATCATCTCAAATGTGACTACACCACCT
 CTGCCCAGCTCCAGGACGTGGTGGTGACATGGCGCTTCAAGTCCTTCTGCAAGGACCCTA
 TCTTTGACTACTACTCAGCGTCATACCAGGCAGCTTTATCCCTGGGCCAGGACCCATCCA
 ATGACTGCAACGACAACCAGCGGGAAGTTGCGATAGTGGCCAGCGCGGGGGCAGAATG
 AGCCCCGTGCTGGGGGTAGATTACCGGCAGCGCAAGATCACCATCCAGAACCAGCAGATC
 TCGTGATAAATGAAGTATGTGGTGGGACCATGGAGTGTATTACTGCACCATGAGGCTC
 CAGGGGACACATCAGGAGACCCCGATAAGGAAGTAAAGCTCATCGTCTACACTGGCTGA
 CAGTGATCTTCATCATCTGGGAGCCCTCCTCCTGCTGCTGATTGGAGTGTGCTGGT
 GCCANTGCTGTCTCAGTATTGCTGCTGTATATCCGCTGTCCCTGCTGTCTGCCCACT
 GCTGCTGTCTGAGGAAGATTGTCCCTGCGGTCCAGCCTCCCGCAGATGCCAATGACCC
 AGACCACCAATCAGCCTCCCATGCCAATGGTGTCCCTGGAGTATTGGA

Restriction Sites: NotI-NotI

ACCN: NM_175924

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:	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_175924.2</u> , <u>NP_787120.1</u>
RefSeq Size:	2765 bp
RefSeq ORF:	1509 bp
Locus ID:	286676
UniProt ID:	<u>Q86SU0</u>
Cytogenetics:	3q13.33
Protein Families:	Druggable Genome, Transmembrane
Gene Summary:	This gene encodes a protein that contains an immunoglobulin-like domain. The encoded protein may function as a multimeric receptor at the cell surface. The expression of this gene may be a diagnostic marker for cancer progression. Alternatively spliced transcript variants encoding multiple protein isoforms have been observed for this gene. [provided by RefSeq, Dec 2010] Transcript Variant: This variant (2) lacks an exon in the coding region but maintains the reading frame, compared to variant 1. The encoded isoform (2) is shorter than isoform 1.