

Product datasheet for **SC335980**

HHLA2 (NM_001282557) Human Untagged Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHLA2 (NM_001282557) Human Untagged Clone
Tag:	Tag Free
Symbol:	HHLA2
Synonyms:	B7-H5; B7-H7; B7H7; B7y
Mammalian Cell Selection:	Neomycin
Vector:	<u>PCMV6-Neo</u>
E. coli Selection:	Ampicillin (100 ug/mL)
Fully Sequenced ORF:	>NCBI ORF sequence for NM_001282557, the custom clone sequence may differ by one or more nucleotides

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ATGAAGGCACAGACAGCACTGTCTTTCTCCTCATTCTCATAACATCTCTGAGTGGATCTCAAGGCATAT
TCCCTTTGGCTTTCTTCATTTATGTTTCTATGAATGAACAAATCGTCATTGGAAGACTTGATGAAGATAT
AATTCTCCCTTCTTCATTTGAGAGGGGATCCGAAGTCGTAATACACTGGAAGTATCAAGATAGCTATAAG
GTTTACAGTTACTACAAAGGCAGTGACCATTTGGAAAGCCAAGATCCCAGATATGCAAACAGGACATCCC
TTTTCTATAATGAGATTCAAAAAGGGAATGCGTCGCTATTTTTTCAGAAGAGTAAGCCTTCTGGACGAAGG
AATTTACACCTGCTATGTAGAACAGCAATTCAAGTGATTACAAACAAAGTGGTGTAAAGGTGGGAGTT
TTTCTCACACCCGTGATGAAGTATGAAAAGAGGAACACAACAGCTTCTTAATATGCAGCGTGTTAAGTG
TTTATCCTCGTCCAATTATCACGTGGAAAATGGACAACACACCTATCTCTGAAAACAACATGGAAGAAAC
AGGGTCTTTGGATTCTTTTTCTATTAACAGCCCACTGAATATTACAGGATCAAATTCATCTTATGAATGT
ACAATTGAAAATTCAGTCTGAAGCAAACATGGACAGGGCGCTGGACGATGAAAGATGGCCTTCATAAAA
TGCAAAGTGAACACGTTTCACTCTCATGTCAACCTGTAATGATTATTTTCCACAAACCAAGACTTCAA
AGTTACTTGGTCCAGAATGAAAAGTGGGACTTTCTCTGCTGGCTTACTATCTGAGTCCCTCACAAAAT
ACAATTATCAATGAATCCCGATTCTCATGGAACAAAGAGCTGATAAACCAGAGTGACTTCTCTATGAATT
TGATGGATCTTAATCTTTCAGACAGTGGGAATATTTATGCAATATTTCTTCGGATGAATATACTTTACT
TACCATCCACACAGTGCATGTAGAACCAGCCAAGAAACAGCTTCCATAACAAAGGCTTATGGATTTTG
GTGCCCTCTGCGATTTTGGCAGCTTTTCTGCTGATTTGGAGCGTAAAATGTTGCAGAGCCCAGCTAGAAG
CCAGGAGGAGCAGACACCCTGCTGATGGAGCCCAACAAGAAAGATGTTGTCCCTCCTGGTGAGCGCTG
TCCCAGTGCACCCGATAATGGCGAAGAAAATGTGCCTCTTTCAGGAAAAGTATAG
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Restriction Sites:	Sgfl-MluI
ACCN:	NM_001282557



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OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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](#)

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_001282557.1](#), [NP_001269486.1](#)

RefSeq Size: 2419 bp

RefSeq ORF: 1245 bp

Locus ID: 11148

UniProt ID: [Q9UM44](#)

Cytogenetics: 3q13.13

Protein Families: Transmembrane

Gene Summary: This gene encodes a protein ligand found on the surface of monocytes. The encoded protein is thought to regulate cell-mediated immunity by binding to a receptor on T lymphocytes and inhibiting the proliferation of these cells. Alternate splicing results in multiple transcript variants. [provided by RefSeq, Sep 2013]

Transcript Variant: This variant (3) represents the use of an alternate promoter and differs in the 5' UTR, compared to variant 1. Variants 1, 2 and 3 encode the same protein (isoform a).