

Product datasheet for **SC335538**

HHLA2 (NM_001282559) Human Untagged Clone

Product data:

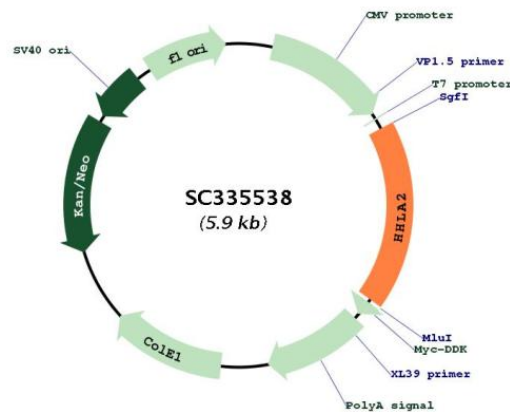
Product Type:	Expression Plasmids
Product Name:	HHLA2 (NM_001282559) Human Untagged Clone
Tag:	Tag Free
Symbol:	HHLA2
Synonyms:	B7-H5; B7-H7; B7H7; B7y
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Fully Sequenced ORF:	>SC335538 representing NM_001282559. Blue=Insert sequence Red=Cloning site Green=Tag(s)

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GCTCGTTTGTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
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CATGAAGGCACAGACAGCACTGTCTTTCTCTCATTCTCATAACATCTCTGAGTGGATCTCAAGAAGA
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ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGAT
TACAAGGATGACGACGATAAGGTTTAAACGGCCGGC
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Restriction Sites: SgfI-MluI



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Plasmid Map:


ACCN: NM_001282559

Insert Size: 1053 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.

RefSeq: [NM_001282559.1](#)

RefSeq Size: 2304 bp

RefSeq ORF: 1053 bp

Locus ID: 11148

UniProt ID: [Q9UM44](#)

Cytogenetics: 3q13.13

Protein Families: Transmembrane

MW: 39.6 kDa

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 (5) represents the use of an alternate promoter, and has multiple differences compared to variant 1. These differences result in a distinct 5' UTR and cause translation initiation at an alternate start codon, compared to variant 1. The encoded protein (isoform c) has a distinct N-terminus and is shorter than isoform a.