

## Product datasheet for **SC126429**

### HHLA2 (NM\_007072) Human Untagged Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	HHLA2 (NM_007072) Human Untagged Clone
Tag:	Tag Free
Symbol:	HHLA2
Synonyms:	B7-H5; B7-H7; B7H7; B7y
Mammalian Cell Selection:	None
Vector:	<u><a href="#">pCMV6-XL5</a></u>
E. coli Selection:	Ampicillin (100 ug/mL)



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**Fully Sequenced ORF:**

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>OriGene sequence for NM_007072 edited
AGTTCTCTCAAGTCATGTAATCGACTTTTTTGAATTAGTTTTTCAGTTTCATTTTGT
CCCTAATTC AAGTTGGGAACACTTCATTTTCCCAATTC AAGTTGGGAACACTTCCTTGG
TATTTCCCTTGCTACATGGACTTTAGCAAATGCTACTTTACTCTCCTTCCAGCTACTCAGG
AGGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGGCGGAGGTTACAGTGAGCCTTTTCTC
AGTTTTACTGTTGGAAGCCTAACTCACAGGAGAGATTATGCAATACAGTCCTGAAGTCAA
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TACTAAAGCCTAGAACGCACCTCCTCTGATGACTAATATGTTCTGCACAAGACATGAAG
GCACAGACAGCACTGTCTTTCTCCTCATTCTCATAACATCTCTGAGTGGATCTCAAGGC
ATATTCCTTTGGCTTTCTTCATTTATGTTCTATGAATGAACAAATCGTCATTGGAAGA
CTTGATGAAGATATAATTCTCCCTTCTTCATTTGAGAGGGGATCCGAAGTCGTAATACAC
TGGAAGTATCAAGATAGCTATAAGGTTCAAGTTACTACAAGGCAGTGACCATTTGGAA
AGCCAAGATCCCAGATATGCAAACAGGACATCCCTTTTCTATAATGAGATTCAAAATGGG
AATGCGTCACTATTTTTCAGAAGAGTAAGCCTTCTGGACGAAGGAATTTACACCTGCTAT
GTAGGAACAGCAATTC AAGTGATTACAACAAAGTGGTGCTAAAGTGGGAGTTTTTCTC
ACACCCGTGATGAAGTATGAAAAGAGGAACACAACAGCTTCTTAATATGCAGCGTGTTA
AGTGTATTCCTCGTCCAATTATCACGTGGAATAATGGACAACACACCTATCTCTGAAAAC
AACATGGAAGAAACAGGGTCTTTGGATTCTTTTCTATTAACAGCCCACTGAATATTACA
GGATCAAATTCATCTTATGAATGTACAATTGAAAATTCAGTGTGAGCAAAACATGGACA
GGGCGCTGGACGATGAAAGATGGCCTTCATAAAATGCAAAGTGAACACGTTTCACTCTCA
TGTC AACCTGTAATGATTATTTTTACCAAACCAAGACTTCAAAGTTACTTGGTCCAGA
ATGAAAAGTGGGACTTTCTGTCTGGCTTACTATCTGAGCTCCTCACAAAATACAATT
ATCAATGAATCCCGATTCTCATGGAACAAAGAGCTGATAAACCAGAGTGACTTCTCTATG
AATTTGATGGATCTTAATCTTTACAGACAGTGGGAATATTTATGCAATATTTCTTCGGAT
GAATATACTTTACTTACCATCCACACAGTGCATGTAGAACCAGCAAGAAACAGCTTCC
CATAACAAAGGCTTATGGATTTTGGTGCCTCTGCGATTTTGGCAGCTTTTCTGCTGATT
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GGAGCCCAACAAGAAAGATGTTGTGTCCCTCCTGGTGAGCGCTGTCCAGTGACCCCGAT
AATGGCGAAGAAAATGTGCCTCTTTACGAAAAGTATAGGAAATGAGAGAAGACTGTGAC
AACTCATGACCTGCATCCTTAATATCCAGTGACTTCATCTCCCTTTCTTACCACAATT
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TGGTATCACATTTATTTTTCAAGACATACTTTTCAAGACATCATTCAGTACCCACTACC
TGCAATTGAGTATAAATGCCTGGATGTTAAGGATCCAATTTAACTTTGAAAAGAAGTGTCT
TCATTCATTTACATTTCTGTTACAGTCAGCCAGGAGGTTACAGTGAGCTCTCCACTAAG
AATCTGGAAGAAATGCATCACTAGGGGTTGATTCCCAATCTGATCAACTGATAATGGGTG
AGAGAGCAGGTAAGAGCCAAAGTACCTTAGTGGAAAGGTTAAAAACCAGAGCCTGGAAA
CCAAGATGATTGATTTGACAAGGATTTTAGTCTAGTTTTATATGAACGGTTGTATCAGG
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CCTGTGATTTGCAGTATACATCCAGATGGCCTAAAGTAACTGAAGATCCACAAAAGAAG
TAAAAATAGCCTTAACTGATGACATTCCACCATTGTGATTTGTTCTGCCCCACCCTAAC
TGATCAATGTACTTTGTAATCTCCCCACCCTTAAAGAAGTACTTTGTAATCTTCCCCAC
CCTTAAGAAGGTTCTTTGTAATCTCCCCACCCTTGAAGATGACTTTGTGAGATCCACC
CTGCCACAAAACATTGCTCTTAACTTCAACCGCTAACCCAAAACCTATAAGAATAATG
ATAATCCATCACCTTCGCTGACTCTTTTTCGGACTCAGCCACCTGCACCCAGGTGAA
ATAAACAGCTTTATTGCTCAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
    
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<b>5' Read Nucleotide Sequence:</b>	>OriGene 5' read for NM_007072 unedited TGCAGGATCTTGATTTTGTAAATACGACTCACTATAGGCGGCCGCGTAATTCGCCATTACG GCCGGGGAGTTCTCTTCAAGTCATGTAATCGACTTTTTTGAATTAGTTTTTCAGTTTCATT TTGTTTTCCCTAATTCAGTTGGGAACACTTCATTTTCCCAATTCAAGTTGGGAACACT TCCTTGGTATTTCTTGTACATGGACTTTAGCAAATGCTACTTTACTCTCCTCCAGCT ACTCAGGAGGCTGAGGCAGGAGAATCGCTTGAACCCGGGAGCGGAGGTTACAGTGAGCC TTTTCTAGTTTTACTGTTGGAAGCCTAACTCACAGGAGAGATTATGCAATACAGTCCTG AAGTCAAGGAAGGAGAGCATGTAGGAGAATACTAACCTGCACAGATTGTGATGGTGATG TGAATATACTAAAGCCTAGAACGCACCTCCTCTGCATGACTAATATGTTCTGCACAAGA CATGAAGGCACAGACAGCACTGTCTTTCTCCTCATTCTCATAACATCTCTGAGTGGATC TCAAGGCATATCCCTTTGGCTTTCTTCATTTATGTTCCATGAATGAACAAATCGTCAT TGAAGACTTGATGAAGATATAATTCTCCCTTCTTCATTTGAGAGGGGATCCGAAGTCGT AATACACTGGAAGTATCAAGATAGCTATAAGGTTTCATAGTTACTACAAAGGCAGTGACCA TTTGGAAAGCCAAGATCCAGATATGCAAACAGGACATCCCTTTCTATAATGAGATTCA AAATGGGAATGCGTCACTATTTTTCAGAAGAGTAGCCTTCTGGACGAAGGAATTTACACC TGCTATGTAGGAACAGCATTCAAGTGATTACCAACCAAGTGGTGCCTAAGGTGGGAGTT TTTCCCAC
<b>Restriction Sites:</b>	NotI-NotI
<b>ACCN:</b>	NM_007072
<b>OTI Disclaimer:</b>	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).
<b>Components:</b>	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).
<b>Reconstitution Method:</b>	<ol style="list-style-type: none"> <li>1. Centrifuge at 5,000xg for 5min.</li> <li>2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.</li> <li>3. Close the tube and incubate for 10 minutes at room temperature.</li> <li>4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.</li> <li>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.</li> </ol>
<b>RefSeq:</b>	<a href="#">NM_007072.2</a> , <a href="#">NP_009003.1</a>
<b>RefSeq Size:</b>	2689 bp
<b>RefSeq ORF:</b>	1245 bp
<b>Locus ID:</b>	11148
<b>UniProt ID:</b>	<a href="#">Q9UM44</a>
<b>Cytogenetics:</b>	3q13.13
<b>Protein Families:</b>	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 (1) represents the longest transcript and encodes the longest isoform (a). Variants 1, 2 and 3 encode the same protein.