

Product datasheet for RC237962

HHLA2 (NM_001282558) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHLA2 (NM_001282558) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	HHLA2
Synonyms:	B7-H5; B7-H7; B7H7; B7y
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
Cell Selection:	Neomycin
ORF Nucleotide Sequence:	>RC237962 representing NM_001282558 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGAAGGCACAGACAGCACTGTCTTTCTCCTCATTCTCATAACATCTCTGAGTGGATCTCAAGGCATAT
TCCCTTTGGCTTTCTTCATTTATGTTCCATGAATGAACAAATCGTCATTGGAAGACTTGATGAAGATAT
AATTCTCCCTTCTCATTGAGAGGGGATCCGAAGTCGTAATACACTGGAAGTATCAAGATAGCTATAAG
GTTACAGTACTACAAAGGCAGTGACCAATTTGGAAAGCCAAGATCCCAGATATGCAAACAGGACATCCC
TTTTCTATAATGAGATCAAAATGGGAATGCGTCGCTATTTTTTCAGAAGAGTAAGCCTTCTGGACGAAGG
AATTTACACCTGCTATGTAGGAACAGCAATTCAAGTGATTACAAACAAAGTGGTGCTAAAGGTGGGAGTT
TTTCTCACACCCGTGATGAAGTATGAAAAGAGGAACACAAACAGCTTCTTAATATGCAGCGTGTTAAGTG
TTTATCCTCGTCCAATTACACGTGAAAATGGACAACACACCTATCTCTGAAAACAACATGGAAGAAAC
AGGGTCTTTGGATTCTTTTTCTATTAACAGCCCACTGAATATTACAGGATCAAATTCATCTTATGAATGT
ACAATTGAAAATCACTGCTGAAGCAAACATGGACAGGGCGCTGGACGATGAAAGATGGCCTTCATAAAA
TGCAAAGTGAACACGTTTCACTCTCATGTCAACCTGTAATGATTATTTTTCCACAAACCAAGACTTCAA
AGTTACTTGGTCCAGAATGAAAAGTGGACTTTCTGTCTGGCTTACTATCTGAGCTCCTCACAAAAT
ACAATTATCAATGAATCCGATTCTCATGGAACAAAGAGCTGATAAACCAGAGTGACTTCTCTATGAATT
TGATGGATCTTAATCTTTCAGACAGTGGGGAATTTTATGCAATATTTCTTCGGATGAATATACTTTACT
TACCATCCACACAGTGCATGTAGAACCAGCAAGAAACAGCTTCCCATAACAAAGGCTTATGGATTTTG
GTGCCCTCTGCGATTTTGGCAGCTTTTCTGCTGATTTGGAGCGTAAAATGTTGCAGAGAAAGATGTTGTG
TCCCTCCTGGTGAGCGCTGTCCCAGTGCACCCGATAATGGCGAAGAAAATGTGCCTTTTCAGGAAAAGT
A

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >RC237962 representing NM_001282558
 Red=Cloning site Green=Tags(s)

MKAQTALSFFLILITSLSGSQGIFPLAFFIYVPMNEQIVIGRLDEDIILPSSFERGSEVVIHWKYQDSYK
 VHSYYKGDHLESQDPRYANRTSLFYNEIQNGNASLFFRRVSLDEGIYTCYVGTAIQVITNKVVLKVG
 FLTPVMKYEKRTNSFLICSVLSVYPRPIITWKMDNTPISENNMEETGSLDSFSINSPLNITGSNSSYEC
 TIENSLLKQWTWGRWTMKDGLHKMQSEHVSLSQCPVNDYFSPNQDFKVTWSRMKSGTF SVLAYYLSSSQN
 TIINESRFSWNKELINQSDFSMNLMDLNLSDSGEYLCNIISSDEYTLITHTVHVPEPSQETASHNKGLWIL
 VPSAILAAFLLIWSVKCCRERCCVPPGERCPSAPDNGEENVPLSGKV

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

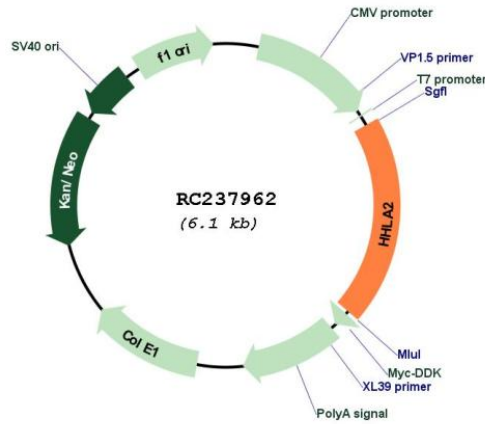
Restriction Sites:

Sgfl-MluI

Cloning Scheme:



Plasmid Map:



ACCN: NM_001282558

ORF Size:	1191 bp
OTI Disclaimer:	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
OTI Annotation:	This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.
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:	<ol style="list-style-type: none">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_001282558.1 , NP_001269487.1
RefSeq Size:	2515 bp
RefSeq ORF:	1194 bp
Locus ID:	11148
UniProt ID:	Q9UM44
Cytogenetics:	3q13.13
Protein Families:	Transmembrane
MW:	45.4 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]