

Product datasheet for **RG237644**

HHLA2 (NM_001282559) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHLA2 (NM_001282559) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	HHLA2
Synonyms:	B7-H5; B7-H7; B7H7; B7y
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>RG237644 representing NM_001282559. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTGTGAAACCGTCAGAATTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTGACTG
GATCCGGTACCGAGGAGATCTGCCGCCGCGATCGCC
ATGGTGTGTGGAATATACTAAAGCCTAGAACGCACCTCCTCTGCATGACTAATATGTTCTGCACAAGA
CATGAAGGCACAGACAGCACTGTCTTTCTCTCATTCTCATAACATCTCTGAGTGGATCTCAAGAAGA
GTAAGCCTTCTGGACGAAGGAATTTACACCTGCTATGTAGGAACAGCAATTCAAGTGATTACAAACAAA
GTGGTGCTAAAGGTGGGAGTTTTTCTCACACCCGTGATGAAGTATGAAAAGAGGAACACAAACAGCTTC
TTAATATGCAGCGTGTTAAGTGTTCCTCGTCCAATTATCACGTGGAAAATGGACAACACACCTATC
TCTGAAAACAACATGGAAGAAACAGGGTCTTTGGATTCTTTTTCTATTAACAGCCCACTGAATATTACA
GGATCAAATTCATCTTATGAATGTACAATTGAAAATTCAGTCTGCTGAAGCAAACATGGACAGGGCGCTGG
ACGATGAAAGATGGCCTTCATAAAATGCAAAGTGAACACGTTTCACTCTCATGTCAACCTGTAAATGAT
TATTTTTACCAAACCAAGACTTCAAAGTTACTTGGTCCAGAATGAAAAGTGGGACTTTCTCTGTCTG
GCTTACTATCTGAGCTCCTCACAAAATACAATTCAATGAATCCCGATTCTCATGGAACAAAGAGCTG
ATAAACAGAGTGACTTCTATGAATTTGATGGATCTTAATCTTTCAGACAGTGGGGAATTTTATGC
AATATTTCTTCGGATGAATATACTTTACTTACCATCCACACAGTGCATGTAGAACCAGCCAAGAAAACA
GCTTCCATAACAAAGGCTTATGGATTTTGGTGCCTCTGCGATTTTGGCAGCTTTTCTGCTGATTTGG
AGCGTAAAATGTTGCAGAGCCCAGCTAGAAGCCAGGAGGAGCAGACACCCTGCTGATGGAGCCCAACAA
GAAAGATGTTGTGCCCTCTGGTGAGCGCTGTCCAGTGCACCCGATAATGGCGAAGAAAATGTGCCT
CTTTCAGGAAAAGTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG237644
 Blue=ORF Red=Cloning site Green=Tag(s)

MVMWNILKPRTHLLCMTNMFCTRHEGTDSTVFLPHSHNISEWISRRVSLLEDEGIYTCYVGTAIQVITNK
 VVLKVGVFLTPVMKYEKRNNTNSFLICSVLSVYPRPIITWKMDNTPISENNMEETGSLDSFSINSPLNIT
 GSNSSYECTIENSLKQWTWGRWTMKDGLHKMQSEHVLSLQCPVNDYFSPNQDFKVTWSRMKSGTF SVL
 AYYLSSSQNTIINESRF SWNKELINQSDFSMNLMDLNLSDSGEYLCNISSDEYTLTIIHTVHVPSQET
 ASHNKGLWILVPSAILAAFLLIWSVKCCRAQLEARRSRHPADGAQQERCCVPPGERCPSPAPDNGEENV
 LSGKV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282559

ORF Size: 1050 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](#)

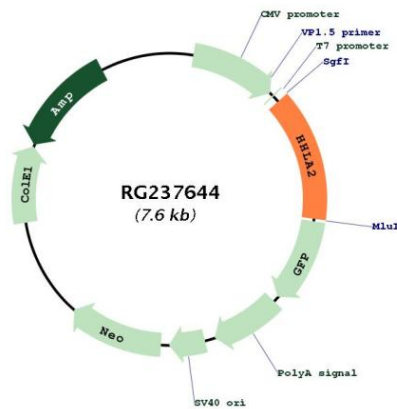
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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).

RefSeq: [NM_001282559.1](#), [NP_001269488.1](#)

RefSeq Size: 2304 bp

RefSeq ORF:	1053 bp
Locus ID:	11148
UniProt ID:	<u>Q9UM44</u>
Cytogenetics:	3q13.13
Protein Families:	Transmembrane
MW:	40.1 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]

Product images:


Circular map for RG237644