

Product datasheet for **RG238085**

HHLA2 (NM_001282556) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	HHLA2 (NM_001282556) 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:	>RG238085 representing NM_001282556. Blue=ORF Red=Cloning site Green=Tag(s)

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GCTCGTTTAGTGAACCGTCAGAATTTTGTAAACGACTCACTATAGGGCGCCGGGAATTCGTCGACTG
GATCCGGTACCGAGGAGATCTGCCGCCCGGATCGCC
ATGAAGGCACAGACAGCACTGTCTTTCTTCTCATTCTCATAACATCTCTGAGTGGATCTCAAGGCATA
TTCCCTTTGGCTTTCTTCATTTATGTTCTATGAATGAACAAATCGTCATTGGAAGACTTGATGAAGAT
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AAGTTTACAGTTACTACAAAGGCAGTGACCATTTGGAAAGCCAAGATCCAGATATGCAACAGGACA
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GAAGGAATTTACACCTGCTATGTAGGAACAGCAATTCAAGTGATTACAAACAAAGTGGTGTAAAGGTG
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TTAAGTGTATCCTCGTCCAATTATACAGTGGAAAATGGACAACACACCTATCTCTGAAAAACAATG
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CAAGACTTCAAAGTTACTTGGTCCAGAATGAAAAGTGGGACTTTCTCTGTCTGGCTTACTATCTGAGC
TCCTCACAAAATACAATTATCAATGAATCCCGATTCTCATGGAACAAAGAGCTGATAAACAGAGTGAC
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GAATATACTTTACTTACCATCCACACAGTGCATGTAGAACCAGCAAGAAACAGCTTCCATAACAAA
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AGAGCCCAGCTAGAAGCCAGGAGGAGCAGACACCTGCTGATGGAGCCCAACAAGAAAGATGTTGTGTC
CCTCTGGTGAGCGCTGTCCAGTGCACCCGATAATGGCGAAGAAAATGTGCCTTTTCAGGAAAAGTA
ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAAAC
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Protein Sequence: >Peptide sequence encoded by RG238085
 Blue=ORF Red=Cloning site Green=Tag(s)

MKAQTALSFLLILITSLSGSQGIFPLAFFIYVPMNEQIVIGRLDEDIILPSSFERGFSEVVIHWKYQDSY
 KVHSYYKGSDHLESQDPRYANRTSLFYNEIQNGNASLFRRVSLLDGIYTCYVGTAIQVITNKVVLKV
 GVFLTPVMKYEKRNTNSFLICSVLSVYPRPIITWKMDNTPISENNMEETGSLDSFSINSPLNITGSNSS
 YECTIENSLKQWTWTRWTKDGLHKMQSEHVLSLSCQPVNDYFSPNQDFKVTWSRMKSGTFVLAAYLS
 SSQNTIINE SRF SWNKELINQSDFSMNLMDLNLSDSGEYLCNISSDEYTLTIIHTVHVPEFSQETASHNK
 GLWILVPSAIIAAFLLIWSVKCCRAQLEARRSRHPADGAQQERCVPVPGERCPSAPDNGEENVPLSGKV
 TRTRPLEMESDESGLPAMEIECRITGTLNGVEFELVGGEGTPEQGRMTNKMSTKGALTFSPYLLSHV
 MGYGFYHFGTYPYSGYENPFLHAINNGGYNTRIEKYEDGGVLHVSFSYRYEAGRVIGDFKVMGTGFPED
 SVIFTDKIIRSNATVEHLHPMGDNDLDGSFTRTFSLRDGGYSSVVD SHMHFKSAIHPSILQNGGPMFA
 FRRVEEDHSNTELGIVEYQHAFKTPDADAGEERV

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001282556

ORF Size: 1242 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_001282556.1](#), [NP_001269485.1](#)

RefSeq Size: 2488 bp

RefSeq ORF: 1245 bp
 Locus ID: 11148
 UniProt ID: [Q9UM44](#)

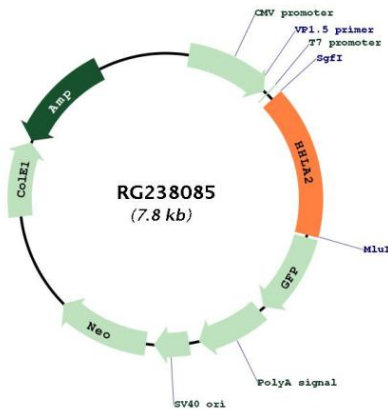
Cytogenetics: 3q13.13

Protein Families: Transmembrane

MW: 47.3 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 RG238085