

Product datasheet for **RC232774**

B7 H6 (NCR3LG1) (NM_001202439) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	B7 H6 (NCR3LG1) (NM_001202439) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	B7 H6
Synonyms:	B7-H6; B7H6; DKFZp686O24166
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)



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ORF Nucleotide Sequence:

>RC232774 representing NM_001202439
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCCGCGATCGCC

ATGACGTGGAGGGCTGCCGCTCCACGTGCGCGCGCTCCTGATTCTGCTGTGGCGCTGACGACCGAAG
 GTGATCTGAAAGTAGAGATGATGGCAGGGGGACTCAGATCACACCCCTGAATGACAATGCACCATATT
 CTGCAATATCTTTTATTCCCAACCCCTCAACATCACGTCTATGGGTATCACCTGGTTTTGGAAGAGTCTG
 ACGTTTGACAAAGAAGTCAAAGTCTTTGAATTTTTGGAGATCACCAAGAGGCATTCCGACCTGGAGCCA
 TTGTGTCTCCATGGAGGCTGAAGAGTGGGGACGCCTCACTGCGGCTGCCTGGAATCCAGCTGGAGGAAGC
 AGGAGAGTACCGATGTGAGGTGGTGTACCCCTCTGAAGGCACAGGGAACAGTCCAGCTGAAGTTGTG
 GCTTCCCAGCCAGCAGATTGTTGCTGGATCAAGTGGGCATGAAAGAGAATGAAGACAAATATATGTGTG
 AGTCAAGTGGTTCTACCCAGAGGCTATTAATATAACATGGGAGAAGCAGACCCAGAAGTTCCCATCC
 CATAGAGATTTCTGAGGATGTCATCACTGGTCCCACCATCAAGAATATGGATGGCACATTTAATGCTACT
 AGCTGCTTGAAGCTGAATCCTCTCAGGAAGACCCCTGGGACTGTCTACCAGTGTGTGGTACGGCATGCGT
 CCTTGATACCCCTTGAGGAGCAACTTACCCTGACTGCTGCTCGGCACAGTCTTTCTGAAACTGAGAA
 GACAGATAATTTTTCCATTCATTGGTGGCCTATTTCAATTCATTGGTGTGGACTGGTTTTATTAATTGTT
 TTGATTCCTTGGAAAAGATATGTAACAAATCATCTTCAGCCTATACTCCTCTCAAGTGCATTCTGAAAC
 ACTGGAACCTTTGACACTCAGACTCTGAAGAAAAGACACCTCATATTTCTTTGCACTCGGGCATGGCC
 GTCTTACCAGCTGCAGGATGGGGAGGCTTGGCCTCCTGAGGAAGTGTAAATTAATACTATTCAACAA
 CTAGATGTTTTCTGCAGACAGGAGGGCAAATGGTCCGAGTTCCTATGTGCAAGCCTCTTTGCCTTGC
 GAGACAACCCAGATCTTTGTCAGTGTGTAGAATTGACCCTGCTCCTAACAGTTACATCAGGCAAGTGC
 CATAGATGATAAATCCACAAAGTCTGAGAAACAAACCCCTAGGGAACACTCGGATGCAGTTCGGGATGCC
 CCAATCCTTCTGCTCCCTATCTGGGAACCTCCTCCAGCCACAACATCAACAACCTCCAGTTCTATCCT
 CCAACCCCAACTTTACTGTTACCCCTACAG

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
 ACAAGGATGACGACGATAAGGTTTAA

Protein Sequence:

>RC232774 representing NM_001202439
 Red=Cloning site Green=Tags(s)

MTWRAASTCAALLILLWALTTEGDLKVEMMAGGTQITPLNDNVTIFCNIFYSQPLNITSMGITWFWKS
 LTFDKEVKVFEFFGDHQEAFRPGAIVSPWRLKSGDASLRPLGIQLEEAGEYRCEVVVTPKAQGTVQLEVV
 ASPASRLLLDQVGMKENEKYMCESSGFYPEAINITWEKQTQKFPHPHIEISEDVITGPTIKNMDGTFNVT
 SCLKLNSSQEDPGTVYQCVRHASLHTPLRSNFTLTAARHSLSETEKTDNFSIHWPIISFIGVGLVLLIV
 LIPWKKICNKSSAYTPLKCILKHWSFDTQTLKKEHLIFFCTRAWPSYQLQDGEAWPPEGSVNINTIQQ
 LDVFCRQEGKWEVPYVQAFFALRDNPDLCQCCRIDPALLTVTSGKSIDDNSTKSEKQTPREHSDAVPDA
 PILPVSPIEWPPATTSTTPVLSSQPPTLLLPLQ

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites:

Sgfl-Mlul

Cloning Scheme:


ACCN: NM_001202439

ORF Size: 1362 bp

OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.

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:**
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_001202439.3](#)

RefSeq Size: 6382 bp

RefSeq ORF: 1365 bp

Locus ID: 374383

UniProt ID: [Q68D85](#)

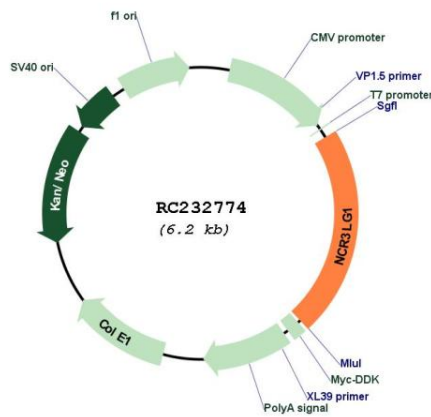
Cytogenetics: 11p15.1

Protein Families: Transmembrane

MW: 51.3 kDa

Gene Summary: B7H6 belongs to the B7 family (see MIM 605402) and is selectively expressed on tumor cells. Interaction of B7H6 with NKp30 (NCR3; MIM 611550) results in natural killer (NK) cell activation and cytotoxicity (Brandt et al., 2009 [PubMed 19528259]).[supplied by OMIM, Jan 2011]

Product images:



Circular map for RC232774