

Product datasheet for RC219672

ULBP3 (NM_024518) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ULBP3 (NM_024518) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	ULBP3
Synonyms:	N2DL-3; NKG2DL3; RAET1N
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC219672 representing NM_024518 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCCGATCGCC

ATGGCAGCGGCCCGCCAGCCCCGCGATCCTTCCGCGCCTCGCGATTCTTCCGTACCTGCTATTCGACTGGTCCGGGACGGGGCGGGCCGACGCTCACTCTCTGGTATAACTTCACCATCATTTCATTTGCCAGACATGGCAACAGTGGTGTGAGGTCCAGAGCCAGGTGGATCAGAAGAATTTCTCTCCTATGACTGTGGCAGTGACAAGGTCTTATCTATGGGTCACCTAGAAGAGCAGCTGTATGCCACAGATGCCTGGGAAAACAACCTGGAAATGCTGAGAGAGGTGGGGCAGAGGCTCAGACTGGAAGTGGCTGACACTGAGCTGGAGGATTCACACCCAGTGGACCCCTCACGCTGCAGGTGAGGATGTCTTGTGAGTGTGAAGCCGATGGATACATCCGTGGATCTTGGCAGTTCAGCTTCGATGGACGGAAGTTCCTCCTTTGACTCAAACAACAGAAAGTGGACAGTGGTTCACGCTGGAGCCAGGCGGATGAAAGAGAAGTGGGAGAAGGATAGCGGACTGACCACCTTCTTCAAGATGGTCTCAATGAGAGACTGCAAGAGCTGGCTTAGGGACTTCTGATGCACAGGAAGAAGAGGCTGGAACCCACAGCACACCCACCATGGCCCCAGGCTTAGCTCAACCCAAAGCCATAGCCACCACCCTCAGTCCCTGGAGCTTCCATCATCCTCTGCTTCATCCTCCCTGGCATC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATTACAAGGATGACGACGATAAGGTTTAA



Protein Sequence: >RC219672 representing NM_024518
Red=Cloning site Green=Tags(s)

MAAAASPAILPRLAILPYLLFDWSGTGRADHSLWYNFTIIHLPRHGQQWCEVQSQVDQKNFLSYDCGSD
 KVL SMGHLEEQL YATDAWGKQLEMLREVGQRLRLELADTELEDFTPSGPLTLQVRMSCEADGYIRGSW
 QFSFDGRKFLLFDSNNRKWTVVHAGARRMKEKWEKDSGLTTFFKMYSMRDCKSWLRDFLMHRKKRLEPTA
 PPTMAPGLAQPKAIAATTLSPWSFLIILCFILPGI

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/ja1840_b04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_024518

ORF Size: 732 bp

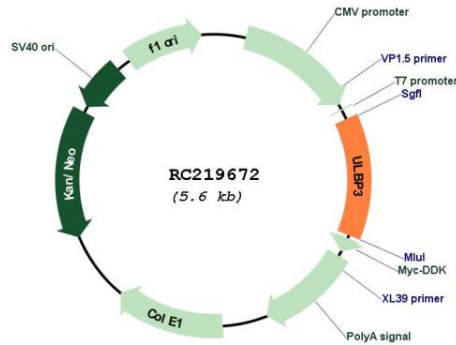
OTI Disclaimer: Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA 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](#)

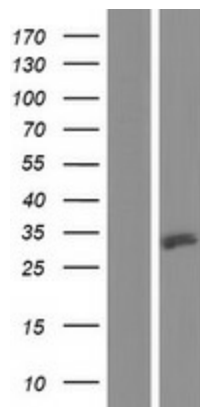
OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

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:	<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_024518.3
RefSeq Size:	735 bp
RefSeq ORF:	735 bp
Locus ID:	79465
UniProt ID:	Q9BZM4
Cytogenetics:	6q25.1
Domains:	MHC_I
Protein Families:	Druggable Genome
Protein Pathways:	Natural killer cell mediated cytotoxicity
MW:	27.8 kDa
Gene Summary:	The protein encoded by this gene is one of several related ligands of the KLRK1/NKG2D receptor, which is found in primary NK cells. Binding of these ligands to the receptor activates several signal transduction pathways, including the JAK2, STAT5, and ERK pathways. The encoded protein is expressed solubly and on the surface of many tumor cells, making it potentially an important target for therapeutics. [provided by RefSeq, Nov 2015]

Product images:



Circular map for RC219672



Western blot validation of overexpression lysate (Cat# [LY411262]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC219672 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).