

Product datasheet for **SC330117**

ULBP4 (RAET1E) (NM_001243328) Human Untagged Clone

Product data:

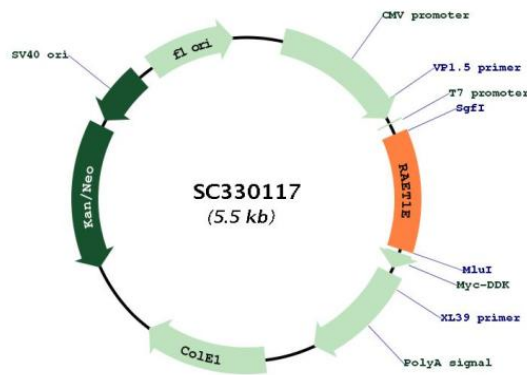
Product Type: Expression Plasmids
Product Name: ULBP4 (RAET1E) (NM_001243328) Human Untagged Clone
Tag: Tag Free
Symbol: RAET1E
Synonyms: bA350J20.7; LETAL; N2DL-4; NKG2DL4; RAET1E2; RL-4; ULBP4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330117 representing NM_001243328.
Blue=Insert sequence Red=Cloning site Green=Tag(s)

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ATGCGAAGAATATCCCTGACTTCTAGCCCTGTGCGCCTTCTTTTGTTCGCTGTTGCTACTAATAGCC
TTGGAGATCATGGTTGGTGGTCACTCTCTTTGCTTCAACTTCACTATAAAATCATTGTCCAGACCTGGA
CAGCCCTGGTGTGAAGCGCAGGTCTTCTGAATAAAAAATCTTTTCCTTCAGTACAACAGTGACAACAAC
ATGGTCAAACCTCTGGGCCTCTGGGGAAGAAGGTATATGCCACCAGCACTTGGGGAGAATTGACCCAA
ACGCTGGGAGAAGTGGGCGAGACCTCAGGATGCTCCTTTGTGACATCAAACCCAGATAAAGACCAGT
GATCCTTCCACTCTGCAAGTCGAGATGTTTTGTCAACGTGAAGCAGAACGGTGCCTGGTGCATCCTGG
CAGTTCGCCACCAATGGAGAGAAATCCCTCCTTTGACGCAATGAACATGACCTGGACAGTAATTAAT
CATGAAGCCAGTAAGATCAAGGAGACATGGAAGAAAGACAGAGGGCTGGAAAAGTATTTTCAGGAAGCTC
TCAAAGGGAGACTGCGATCACTGGCTCAGGGAATTCTTAGGGCACTGGGAGGCAATGCCAGAACCAGCA
GGCAGAAGATCCACCTAG
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Restriction Sites: Sgfl-Mlul



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Plasmid Map:


ACCN: NM_001243328

Insert Size: 639 bp

OTI Disclaimer: Our molecular clone sequence data has been matched to the reference identifier above as a point of reference. Note that the complete sequence of our molecular clones may differ from the sequence published for this corresponding reference, e.g., by representing an alternative RNA splicing form or single nucleotide polymorphism (SNP).

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:	<u>NM_001243328.1</u>
RefSeq Size:	2099 bp
RefSeq ORF:	639 bp
Locus ID:	135250
UniProt ID:	<u>Q8TD07</u>
Cytogenetics:	6q25.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Natural killer cell mediated cytotoxicity
MW:	24.4 kDa
Gene Summary:	<p>This gene belong to the RAET1 family, which consists of major histocompatibility complex (MHC) class I-related genes located in a cluster on chromosome 6q24.2-q25.3. This and RAET1G protein differ from other RAET1 proteins in that they have type I membrane-spanning sequences at their C termini rather than glycosylphosphatidylinositol anchor sequences. This protein functions as a ligand for NKG2D receptor, which is expressed on the surface of several types of immune cells, and is involved in innate and adaptive immune responses. Alternatively spliced transcript variants encoding different isoforms have been found for this gene.[provided by RefSeq, Aug 2011]</p> <p>Transcript Variant: This variant (4) contains an additional 5' non-coding exon, and an alternate 3' terminal exon compared to variant 1. This results in a frame-shift and shorter isoform (4) with a distinct C-terminus compared to isoform 1.</p>