

Product datasheet for SC330115

ULBP4 (RAET1E) (NM_001243325) Human Untagged Clone

Product data:

Product Type: Expression Plasmids
Product Name: ULBP4 (RAET1E) (NM_001243325) Human Untagged Clone
Tag: Tag Free
Symbol: ULBP4
Synonyms: bA350J20.7; LETAL; N2DL-4; NKG2DL4; RAET1E2; RL-4; ULBP4
Vector: pCMV6-Entry (PS100001)
Fully Sequenced ORF: >SC330115 representing NM_001243325.
 Blue=Insert sequence Red=Cloning site Green=Tag(s)

ATGCGAAGAATATCCCTGACTTCTAGCCCTGTGCGCCTTCTTTGTTTCTGCTGTTGCTACTAATAGCC
 TTGGAGATCATGTACAACAGTGACAACAACATGGTCAAACCTCTGGGCTCTGGGAAGAAGGTATAT
 GCCACCAGCACTGGGGAGAATTGACCCAAACGCTGGGAGAAGTGGGCGAGACCTCAGGATGCTCCTT
 TGTGACATCAAACCCAGATAAAGACCAGTGATCCTTCCACTCTGCAAGTCGAGATGTTTTGTCAACGT
 GAAGCAGAACGGTGCACTGGTGCATCCTGGCAGTTCGCCACCAATGGAGAGAAATCCCTCCTCTTTGAC
 GCAATGAACATGACCTGGACAGTAATTAATCATGAAGCCAGTAAGATCAAGGAGACATGGAAGAAAGAC
 AGAGGGCTGGAAAAGTATTTAGGAAGCTCTAAAGGGAGACTGCGATCACTGGCTCAGGGAATCTTA
 GGGCACTGGGAGGCAATGCCAGAACCGACAGTGTCAACAGTAAATGCTTCAGATATCCACTGGTCTTCT
 TCTAGTCTACCAGATAGATGGATCATCCTGGGGCATTATCCTGTTAGTTTTAATGGGAATTGTTCTC
 ATCTGTGTCTGGTGGCAAAATGGTGAGTGGCAGGCTGGTCTCTGGCCCTTGAGGACGCTCTAG

Restriction Sites: SgfI-MluI
ACCN: NM_001243325
Insert Size: 684 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).


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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_001243325.1](#)

RefSeq Size: 850 bp

RefSeq ORF: 684 bp

Locus ID: 135250

UniProt ID: [Q8TD07](#)

Cytogenetics: 6q25.1

Protein Families: Druggable Genome, Transmembrane

Protein Pathways: Natural killer cell mediated cytotoxicity

MW: 26.1 kDa

Gene Summary: This gene belongs 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]

Transcript Variant: This variant (2) uses alternate in-frame donor and acceptor splice sites at adjacent coding exons compared to variant 1. This results in a shorter isoform (2) missing an internal protein segment compared to isoform 1.