

Product datasheet for **RG232136**

ULBP4 (RAET1E) (NM_001243327) Human Tagged ORF Clone

Product data:

Product Type: Expression Plasmids
Product Name: ULBP4 (RAET1E) (NM_001243327) Human Tagged ORF Clone
Tag: TurboGFP
Symbol: RAET1E
Synonyms: bA350J20.7; LETAL; N2DL-4; NKG2DL4; RAET1E2; RL-4; ULBP4
Mammalian Cell Selection: Neomycin
Vector: pCMV6-AC-GFP (PS100010)
E. coli Selection: Ampicillin (100 ug/mL)
ORF Nucleotide Sequence: >RG232136 representing NM_001243327
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGCGAAGAATATCCCTGACTTCTAGCCCTGTGCGCCTTCTTTTGTCTGCTGTTGCTACTAATAGCCT
TGGAGATCATGGTTGGTGGTCACTCTTTGCTTCAACTCACTATAAAATCATTGTCCAGACCTGGACA
GCCCTGGTGTGAAGCGCAGGTCTTCTGAATAAAAATCTTTTCTTCAGTACAACAGTGACAACAACATG
GTCAAACCTCTGGCCTCTGGGAAGAAGGTATATGCCACCAGCACTTGGGAGAATTGACCCAAACGC
TGGGAGAAGTGGGCGAGACCTCAGGATGCTCCTTTGTGACATCAAACCCAGATAAAGACCAGTGATCC
TTCCACTCTGCAAGTCGAGATGTTTTGTCAACGTGAAGCAGAACGGTGCCTGGTGCATCCTGGCAGTTC
GCCACCAATGGAGAGAAATCCCTCCTTTGACGCAATGAACATGACCTGGACAGTAATTAATCATGAAG
CCAGTAAGATCAAGGAGACATGGAAGAAAGACAGAGGGCTGGAAGTATTTTCAGGAAGCTCTCAAAGGG
AGACTGCGATCACTGGCTCAGGGAATCTTAGGGCACTGGGAGGCAATGCCAGAACCACAGGTAAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG232136 representing NM_001243327
Red=Cloning site Green=Tags(s)

MRRISLTSSPVRLLLLFLLLLLIALEIMVGGHSLCFNFTIKSLSRPGQPWCEAQVFLNKNLFLQYNSDNNM
VKPLGLLGKVVYATSTWGELTQTLGEVGRDLRMLLCDIKPQIKTSDPSTLQVEMFCQREAERCTGASWQF
ATNGEKSLFLDAMNMTWTVINHEASKIKETWKKDRGLEKYFRKLSKGDCHWLREFLGHWEAMPEPTGN

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI



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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_001243327.1, NP_001230256.1</u>
RefSeq Size:	1032 bp
RefSeq ORF:	630 bp
Locus ID:	135250
UniProt ID:	<u>Q8TD07</u>
Cytogenetics:	6q25.1
Protein Families:	Druggable Genome, Transmembrane
Protein Pathways:	Natural killer cell mediated cytotoxicity
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>