

Protein Sequence: >RC230014 representing NM_001170751
 Red=Cloning site Green=Tags(s)

MGSPAHRPALLLLPLLLLLLLRVPPSRSPGSDSPLEDEVGYSHPRYKDTWPCSPIKVKYGDVYCR
 APQGGYYKTALGTRCDIRCQKGYELHGSSLLICQSNKRWSDKVICKHMEPPRIKPCSVKERIAEPNKLTV
 RVSWETPEGRDTADGILTDVILKGLPPGSNFPEGDHKKIQTIVYDRAENKGTCKFRVKVRVRCGKLNAP
 NGYMKCSSDGDNYGATCEFCIGGYELQGSARVCQSNLAWSGTEPTCAAMNVNVGVRTAAALLDQFYEK
 RRLLIIVSTPTARNLLYRLQLGMLQQAQCGLDLRHITVVELVGVFPTLIGRIGAKIMPPALALQLRLLLR
 PLYSFSMVLVDKHGMDKERYVSLVMPVALFNLIDTFPLRKEEMVLQAEMSQTCNT

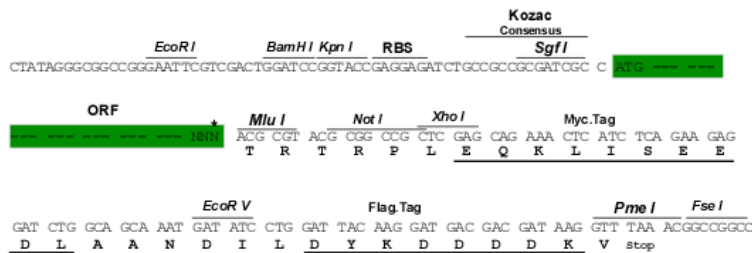
TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk8057_g01.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_001170751

ORF Size: 1215 bp

OTI Disclaimer: 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_001170751.1](#), [NP_001164222.1](#)

RefSeq ORF: 1218 bp

Locus ID: 8406

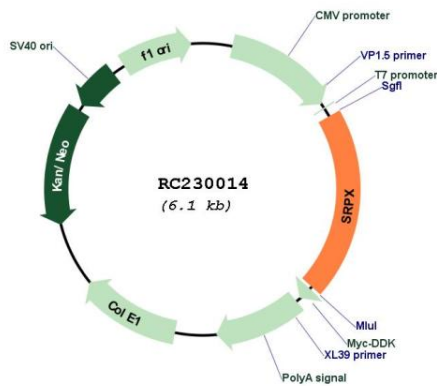
UniProt ID: [P78539](#)

Cytogenetics: Xp11.4

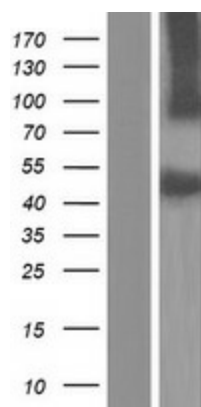
MW: 45.6 kDa

Gene Summary: May be involved in phagocytosis during disk shedding, cell adhesion to cells other than the pigment epithelium or signal transduction.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for RC230014



Western blot validation of overexpression lysate (Cat# [LY433014]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC230014 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).