

Product datasheet for RC220391L3

OriGene Technologies, Inc.

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Integrin beta 4 binding protein (EIF6) (NM_181468) Human Tagged Lenti ORF Clone

Product data:

Product Type: Expression Plasmids

Product Name: Integrin beta 4 binding protein (EIF6) (NM_181468) Human Tagged Lenti ORF Clone

Tag: Myc-DDK

Symbol: Integrin beta 4 binding protein

Synonyms: b(2)gcn; CAB; eIF-6; EIF3A; ITGB4BP; p27(BBP); p27BBP

Mammalian Cell

Selection:

Puromycin

Vector: pLenti-C-Myc-DDK-P2A-Puro (PS100092)

E. coli Selection: Chloramphenicol (34 ug/mL)

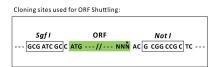
ORF Nucleotide

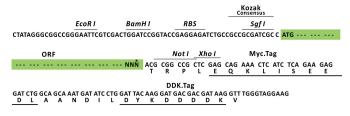
The ORF insert of this clone is exactly the same as(RC220391).

Sequence:

Restriction Sites: Sgfl-Notl

Cloning Scheme:





^{*} The last codon before the Stop codon of the ORF.

ACCN: NM_181468

ORF Size: 735 bp



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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: <u>NM 181468.1</u>

 RefSeq Size:
 1259 bp

 RefSeq ORF:
 738 bp

 Locus ID:
 3692

 UniProt ID:
 P56537

Cytogenetics: 20q11.22

Protein Families: Druggable Genome

MW: 26.4 kDa

Gene Summary: Hemidesmosomes are structures which link the basal lamina to the intermediate filament

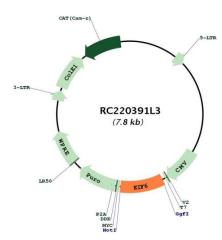
cytoskeleton. An important functional component of hemidesmosomes is the integrin beta-4 subunit (ITGB4), a protein containing two fibronectin type III domains. The protein encoded by this gene binds to the fibronectin type III domains of ITGB4 and may help link ITGB4 to the intermediate filament cytoskeleton. The encoded protein, which is insoluble and found both in the nucleus and in the cytoplasm, can function as a translation initiation factor and prevent the association of the 40S and 60S ribosomal subunits. Multiple non-protein coding transcript

variants and variants encoding two different isoforms have been found for this gene.

[provided by RefSeq, Jun 2012]



Product images:



Circular map for RC220391L3