Product datasheet for RC202186L2

SH3KBP1 (NM_031892) Human Tagged Lenti ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	SH3KBP1 (NM_031892) Human Tagged Lenti ORF Clone
Tag:	mGFP
Symbol:	SH3KBP1
Synonyms:	AGMX2; CD2BP3; CIN85; GIG10; HSB-1; HSB1; IMD61; MIG18
Mammalian Cell Selection:	None
Vector:	pLenti-C-mGFP (PS100071)
E. coli Selection:	Chloramphenicol (34 ug/mL)
ORF Nucleotide Sequence:	The ORF insert of this clone is exactly the same as(RC202186).
Restriction Sites:	SgfI-NotI
Cloning Scheme:	

Cloning sites used for ORF Shuttling:

```
                 Sgf I          ORF            Not I
--- GCG ATC GC C ATG --- // --- NNÑ AC G CGG CCG C TC ---
```

```
                                               Kozak
                                             Consensus
          EcoR I        BamH I       RBS        Sgf I
CTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCCGCCGCGATCGC C ATG --- --- ---

         ORF                    Not I   Xho I        mGFP Tag
--- --- --- --- --- --- --- NNÑ ACG CGG CCG CTC GAG ATG AGC GGG GGC --- --- ---
                                T   R   P   L   E   M   S   G   G   - - - -

           Pme I
--- --- GGA CTC AGA TAA GTT TAA ACGGCCGGCCGCGG
 - -   G   L   R  Stop
```
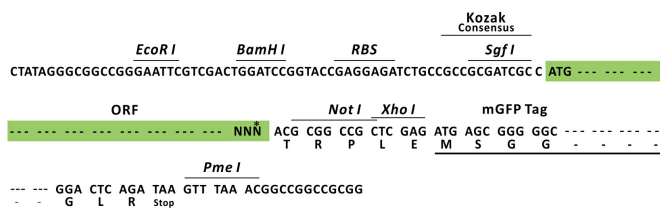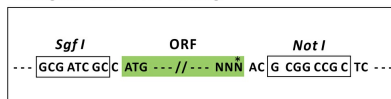
* The last codon before the Stop codon of the ORF.

ACCN:	NM_031892
ORF Size:	1995 bp

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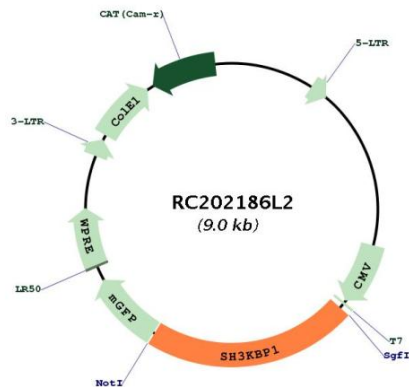|	
OTI Disclaimer:	Due to the inherent nature of this plasmid, standard methods to replicate additional amounts of DNA in E. coli are highly likely to result in mutations and/or rearrangements. Therefore, OriGene does not guarantee the capability to replicate this plasmid DNA. Additional amounts of DNA can be purchased from OriGene with batch-specific, full-sequence verification at a reduced cost. Please contact our customer care team at custsupport@origene.com or by calling 301.340.3188 option 3 for pricing and delivery.
	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_031892.1
RefSeq Size:	3348 bp
RefSeq ORF:	1998 bp
Locus ID:	30011
UniProt ID:	Q96B97
Cytogenetics:	Xp22.12
Domains:	SH3
Protein Families:	Druggable Genome
Protein Pathways:	Endocytosis
MW:	72.9 kDa

Gene Summary: This gene encodes an adapter protein that contains one or more N-terminal Src homology domains, a proline rich region and a C-terminal coiled-coil domain. The encoded protein facilitates protein-protein interactions and has been implicated in numerous cellular processes including apoptosis, cytoskeletal rearrangement, cell adhesion and in the regulation of clathrin-dependent endocytosis. Alternate splicing results in multiple transcript variants encoding distinct isoforms. [provided by RefSeq, Jul 2017]

Product images:

Circular map for RC202186L2