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Product datasheet for RG221172

ASPP1 (PPP1R13B) (NM_015316) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	ASPP1 (PPP1R13B) (NM_015316) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	PPP1R13B
Synonyms:	ASPP1; p53BP2-like; p85
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence:

>RG221172 representing NM_015316
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGATGCCGATGATATTAACTGTTTTCTTGAGCAACAATGAACAGATTTTAACAGAAGTTCCTATAACAC
CGGAAACAACCTGTCGAGATGTTGTAGAATTTTGCAAGGAACCTGGAGAAGGCAGCTGCCATTTAGCTGA
AGTGTGGAGGGGAAATGAACGTCCCATACCCTTTGATCATATGATGTACGAACATCTTCAGATATGGGGT
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AGTGCAGGCCTGCCAAGTCGACAGAGGCCCACCCTGCTGCCCGCCACAGGCAGCACCCCCCAGCCAGGCT
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CGCAAGGACGAAAGCGAGACTGAGTGGTGGTGGGCTCGCCTTGGAGACCGGGAGGGCTATGTGCCCAAAA
ACCTGCTGGGGCTGTATCCACGGATCAAACCCCGACAGCGAACACTCGCC

AGCGGACCGACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence:

>RG221172 representing NM_015316
Red=Cloning site Green=Tags(s)

MMPMILTVFLSNNEQILTEVPITPETTCRDVVEFCKEPGEGSCHLAEVWRGNERPIPFDHMMYEHLQIWG
PRREEVKFFLRHEDSPTENSEQGGRQTQEQRTQRNVINVPGDKRTEYGVGNPRVELTLSELQDMAARQQQ
QIENQQQMLVAKEQRLHFLKQQERRQQQSISENEKLQKLKERVEAQENKLKKIRAMRGQVDYSKIMNGNL
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LNQEQNSKLQQQKELLNKRNMEVAMMDKRISELRERLYGKKIQLNRVNGTSSPQSPLSTSGRVAAVGPYI
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FASTISDIETAADKCEEMEEGYIQCSQFLYGVQEKLGVMNKGVAYALWDYEAQNSDELSFHEGDALTILR
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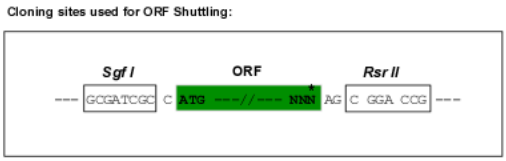
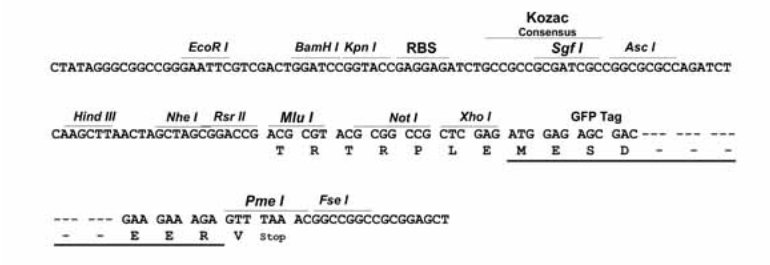
SGPTRTRRLE - GFP Tag - V

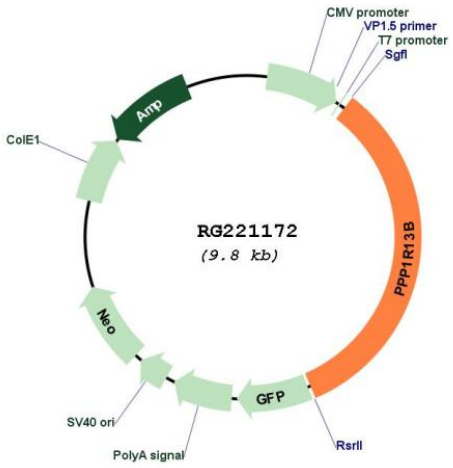
Restriction Sites: SgfI-RsrII

Cloning Scheme:





Plasmid Map:



ACCN:	NM_015316
ORF Size:	3270 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_015316.1, NP_056131.1
RefSeq Size:	4834 bp
RefSeq ORF:	3273 bp
Locus ID:	23368
UniProt ID:	Q96KQ4
Cytogenetics:	14q32.33
Domains:	SH3, ANK
Protein Families:	Druggable Genome
Gene Summary:	This gene encodes a member of the ASPP (apoptosis-stimulating protein of p53) family of p53 interacting proteins. The protein contains four ankyrin repeats and an SH3 domain involved in protein-protein interactions. ASPP proteins are required for the induction of apoptosis by p53-family proteins. They promote DNA binding and transactivation of p53-family proteins on the promoters of proapoptotic genes. Expression of this gene is regulated by the E2F transcription factor. [provided by RefSeq, Jul 2008]