

Product datasheet for MR221057

Espl1 (NM_001014976) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Espl1 (NM_001014976) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Espl1
Synonyms:	AL024103; AU045071; Cerp; ESP1; PRCE; SSE
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR221057 representing NM_001014976 Red=Cloning site Blue=ORF Green=Tags(s)

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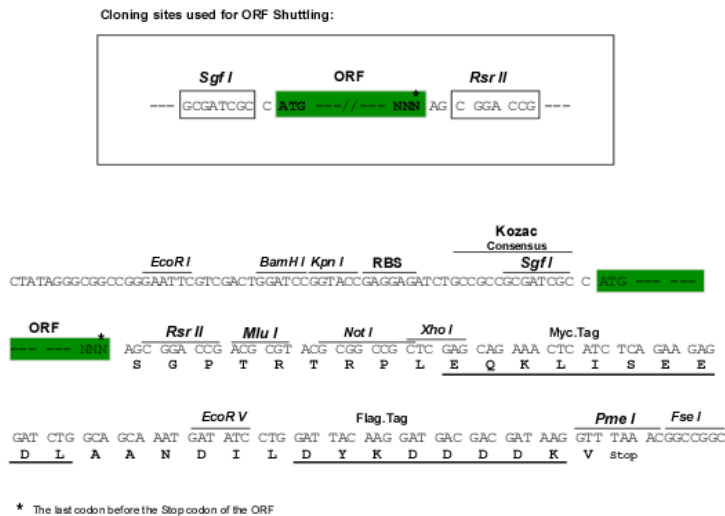
Protein Sequence: >MR221057 representing NM_001014976
 Red=Cloning site Green=Tags(s)

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 LIGAAPVAYGLPISLQTP

SGPTRTRPLEQKLI SEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mm9106_d04.zip

Restriction Sites: Sgfl-RsrII

Cloning Scheme:


ACCN: NM_001014976

ORF Size: 6354 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_001014976.2](#), [NP_001014976.1](#)

RefSeq Size: 6630 bp

RefSeq ORF: 6357 bp

Locus ID: 105988

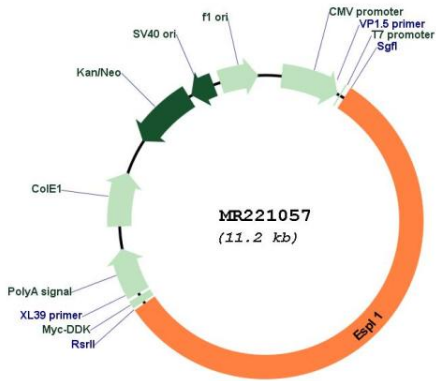
UniProt ID: [P60330](#)

Cytogenetics: 15 F2

MW: 233 kDa

Gene Summary: Caspase-like protease, which plays a central role in the chromosome segregation by cleaving the SCC1/RAD21 subunit of the cohesin complex at the onset of anaphase. During most of the cell cycle, it is inactivated by different mechanisms (By similarity).[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MR221057