

## Product datasheet for MR222571

### Asprv1 (NM\_026414) Mouse Tagged ORF Clone

#### Product data:

Product Type:	Expression Plasmids
Product Name:	Asprv1 (NM_026414) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Asprv1
Synonyms:	2300003P22Rik; AA986851; SASP; SASPase; Taps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR222571 representing NM_026414 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC  
GCC**CGATCGC**C

ATGAGGAACCCTGGGGGCCAGGTTGGGCATCAAAAAGGCCCTGCAGAAGAAGCAGAACACAGCCTGCC  
TCTGTGCCAGCAGCCAGCCAGACACTTTGTACCGGCTCCCTTCAACTCGTCCAGGCAGGGCAAGAACAC  
GGCCAGCCGACAGAGCCCTCGCTCTCCAGCGTATTGCGCCCACTCTTCTGTGCGTTTCTTTACTTG  
GCTTGTGTTACTGCTGAACCTCCAGAGGTGAGCAGAAGGATGGCCACCAGCGGAGTCAGAAGCAAGGAAG  
GACGCCGGGAGCATGCCTTCGTCCAGAACCTTCACTGGTACTAATTAGCTCCAGCCTTTGGTGC  
CCGCTTTGAAGTCATTGATGACCTCAACATTGGGATCATGCCACAACTGAGGTTCTGAAAGAGTCG  
CTCAAGGGAGATGCCCTGGATGTCTACAATGGACTCAGTTCAGGCCAGGGCGATTTAGTTTTGTGA  
AGCAAGCCCTCCTGAGGGCCTTTGGGGCCCTGGGGAGGCCTTCAGTGAGCCGAAGAGATTTGTTTGC  
CAACAGCATGGTAAGGGCTACTACCTAAAGGGAAGGTTGGCCATGTGCCTGTGAGATTCCTGGTGGAC  
TCTGGGCTCAGGTGTCTGTGGTTCACCCCGCCTATGGGAGGAGTCACTGATGGTGACCTGGATACTC  
TTCGTCCTTTTAAACATGTGGTCAAAGTGGCAATGGGGCAGAGATGAAGATCTTGGGTGTGTGGACAC  
AGAAATTAGCCTGGCAAGACAAAGCTGAAGGCCGAGTTTCTGGTGGCCAACGCCAGCCAGCAGAAGAGGCT  
ATTATTGGCACAGACGTCTTGCAGGACCAATGCCGTGCTGGACTTCGAACACCCGACCTGCACCCTGA  
AGGGGAAGAAGTTCCGCCTGCTCCTGTGCGGAGCTCCTTGGAGGATGAGTTTGACCTGGAGCTTATTGA  
GGAAGAGGAGGGTCTTCTGCACCGGAGGGCTCCAC

**ACGCGT**ACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT  
ACAAGGATGACGACGATAAGGTTTAA



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**Protein Sequence:** >MR222571 representing NM\_026414  
Red=Cloning site Green=Tags(s)

MRNPGGPGWASKRPLQKKQNTACLCAQQPARHFVPAPFNSSRQGKNTAQPTPEPLSSVIAPTFLCAFLYL  
 ACVTAELPEVSRMATSGVRSKEGRREHAFVPEPFTGTNLAPSLWLHRFEVIDDLNHWDHATKLRFLKES  
 LKGDALDVYNGLSSQAQGDFSFVKQALLRAFGAPGEAFSEPEEILFANSMGKGYLLKGVGHVVPVRFVLD  
 SGAQVSVVHPALWEEVTDGDLDTLRPFNNVVKVANGAEMKILGVWDTEISLGKTKLKAIEFLVANASAEAA  
 IIGTDVLDQDHNAVLDFEHRTCTLKGGKFRLLPVGSSLEDEFDLELIEEEEGSSAPEGSH

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

**Chromatograms:** [https://cdn.origene.com/chromatograms/mm9059\\_h11.zip](https://cdn.origene.com/chromatograms/mm9059_h11.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\_026414

**ORF Size:** 1017 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\\_026414.2](#), [NP\\_080690.2](#)

**RefSeq Size:** 1550 bp

**RefSeq ORF:** 1020 bp

**Locus ID:** 67855

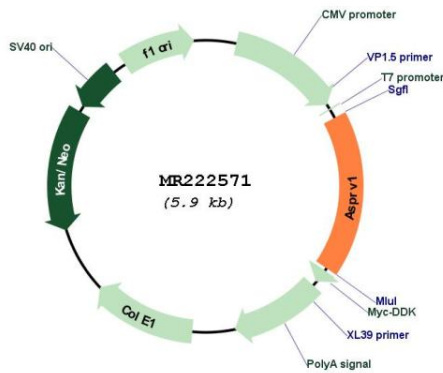
**UniProt ID:** [Q09PK2](#)

**Cytogenetics:** 6 D1

**MW:** 37.2 kDa

**Gene Summary:** Protease responsible for filaggrin processing, essential for the maintenance of a proper epidermis organization.[UniProtKB/Swiss-Prot Function]

### Product images:



Circular map for MR222571