

Product datasheet for **MG222571**

Asprv1 (NM_026414) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Asprv1 (NM_026414) Mouse Tagged ORF Clone
Tag:	TurboGFP
Symbol:	Asprv1
Synonyms:	2300003P22Rik; AA986851; SASP; SASPase; Taps
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)
ORF Nucleotide Sequence:	>MG222571 representing NM_026414 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGAGGAACCCTGGGGGCCAGGTTGGGCATCAAAAAGGCCCTGCAGAAGAAGCAGAACACAGCCTGCC
TCTGTGCCAGCAGCCAGCCAGACACTTTGTACCGGCTCCCTTCAACTCGTCCAGGCAGGGCAAGAACAC
GGCCAGCCGACAGACCCTCGCTCTCCAGCGTGATTGCGCCCACTCTTCTGTGCGTTTCTTTACTTG
GCTTGTGTTACTGCTGAACCTCCAGAGGTGAGCAGAAGGATGGCCACCAGCGGAGTCAGAAGCAAGGAAG
GACGCCGGGAGCATGCCTTCGTCCAGAACCTTCACTGGTACTAATTAGCTCCAGCCTTTGGCTGCA
CCGCTTTGAAGTCATTGATGACCTCAACATTGGGATCATGCCACAAACTGAGGTTCTGAAAGAGTCG
CTCAAGGGAGATGCCCTGGATGTCTACAATGGACTCAGTTCAGGCCAGGGCGATTTTCAGTTTTGTGA
AGCAAGCCCTCCTGAGGGCCTTTGGGGCCCTGGGGAGGCCTTCAGTGAGCCGAAGAGATTTTGTGTTGC
CAACAGCATGGGTAAAGGCTACTACCTAAAGGGAAGGTTGGCCATGTGCCTGTGAGATTCTGGTGGAC
TCTGGGCTCAGGTGTCTGTGGTTCACCCCGCCTTATGGGAGGAGTCACTGATGGTGACCTGGATACTC
TTCGTCCTTTTAAACATGTGGTCAAAGTGGCAATGGGGCAGAGATGAAGATCTTGGGTGTGTGGACAC
AGAAATTAGCCTGGCAAGACAAAGCTGAAGGCCGAGTTTCTGGTGGCCAACGCCAGCCAGAAGAGGCT
ATTATTGGCACAGACGTCTTGCAGGACCACAATGCCGTGCTGGACTTCGAACACCCGACCTGCACCCTGA
AGGGGAAGAAGTTCCGCTGCTCCCTGTGCGGGAGCTCCTTGGAGGATGAGTTTGACCTGGAGCTTATTGA
GGAAGAGGAGGGTCTTCTGCACCGGAGGGCTCCAC

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



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Protein Sequence: >MG222571 representing NM_026414
 Red=Cloning site Green=Tags(s)

MRNPGGPGWASKRPLQKKQNTACLCAQQPARHFVPAPFNSSRQGKNTAQPTPEPSLSSVIAPTLFCAFLYL
 ACVTAELPEVSRMATSGVRSKEGRREHAFVPEPFTGTNLAPSLWLHRFEVIDDLNHWDHATKLRFLKES
 LKGDALDVYINGLSSQAQGDFSFVKQALLRAFAPGEAFSEPEEILFANSMGKGYLLKGVGHVPVRFVLD
 SGAQVSVVHPALWEEVTDGDLTLRPFNNVVKVANGAEMKILGVWDTEISLGKTKLKAFLVANASAEAA
 IIGTDVLDQHNVAFLDFEHRTCTLKGGKFRLLPVGSSLEDEFDLELIEEEEGSSAPEGSH

TRTRPLE - GFP Tag - V

Restriction Sites:

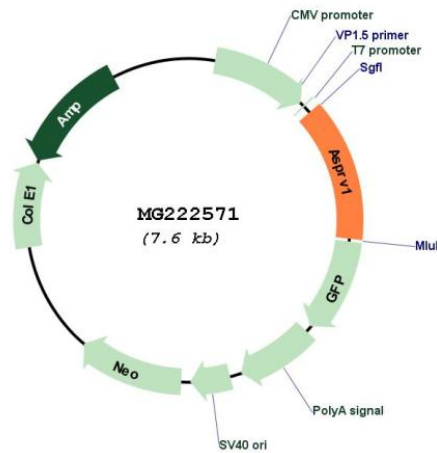
SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



Plasmid Map:



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:	<ol style="list-style-type: none">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
Gene Summary:	Protease responsible for filaggrin processing, essential for the maintenance of a proper epidermis organization.[UniProtKB/Swiss-Prot Function]