

Product datasheet for MR204321

Prss22 (NM_133731) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	Prss22 (NM_133731) Mouse Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	Prss22
Synonyms:	4733401N09Rik; BSSP-4; SP001LA
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>MR204321 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGATGATCTCCAGACCTCCCCAGCACTGGGTGGGGACCAGTTCAGCATCTTAATCCTTCTGGTGTCTGC
TGACTTCCACAGCTCCCATCAGTGCTGCCACCATCCGAGTGTCCCAGACTGTGGGAAGCCTCAGCAGCT
GAACCGGATTGTGGGAGGTGAGGACAGCATGGATGCCAGTGGCCCTGGATTGTTAGCATCTCAAGAAT
GGCTCCCACCACTGTGCAGGCTCCCTGCTACCAACCGCTGGGTGGTACAGCCGCGCACTGCTTTAAGA
GCAATATGGACAAACCATCTCTGTCTCAGTATTGTTGGGGCCCTGGAAGCTGGGGAGCCAGGCCCAAG
GTCCCAGAAAGTAGGCATTGCTTGGGTGCTGCCTACCCAGGTATTCTTGAAGGAGGGAAACCCATGCA
GACATTGCCCTGGTGCCTGGAACACTCCATCCAGTTCTCTGAGCGGATCCTGCCATCTGCCTACCTG
ACTCCTCTGTCCGTCTCCCTCCCAAGACCGACTGCTGGATTGCCGGCTGGGAAGCATCCAGGATGGAGT
GCCCTGCCCCACCCTCAGACCTTCAGAAGCTGAAGGTGCCATCATCGACTCCGAACCTGCAAAAGC
TTGTAAGTGGCGGGAGCCGGTCAGGAAGCCATCACGGAGGGCATGCTGTGTGCTGGTTACCTGGAAGGG
AGCGGGATGCTTGTCTGGGCGACTCTGGGGTCCCCTGATGTGCCAGGTGGATGACCACTGGCTACTGAC
TGGCATAATCAGCTGGGGAGAGGGCTGCGCGGAGCGCAACCGCCGGTGTGTACACCAGCCTCCTAGCT
CACCGCTCTGGGTGCAAAGGATCGTTCAAGGGGTGCAGCTGCGGGGTACTTGGCGGACAGTGGGGACA
CAGGAAGCTCC

ACGCGTACGCGGCCGCTCGAGCAGAAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



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Protein Sequence: >MR204321 protein sequence
Red=Cloning site Green=Tags(s)

MMISRPPPALGGDQFSILILLVLLTSTAPISAATIRVSPDCGKPKQLNRIVGGEDSMDAQWPWIVSILKN
 GSHHCAGSLLTNRWVVTAAHCFKSNMDKPSLFSVLLGAWKLGSPGPRSQKVGIAWVLPHPRYSWKEGTHA
 DIALVRLEHSIQFSERILPICLPDSSVRLPPKTDWCWAGWGSIQDGVPLPHPQTLQKLVPIIDSELCKS
 LYWRGAGQEAITEGMLCAGYLEGERDACLGDSGGPLMCQVDDHWLLTGIISWEGECAERNRPGVYTSLLA
 HRSWVQRIVQGVQLRGLADSGDTGSS

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Restriction Sites: SgfI-MluI

Cloning Scheme:

Cloning sites used for ORF Shuttling:



* The last codon before the Stop codon of the ORF

ACCN: NM_133731

ORF Size: 924 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_133731.1](#), [NM_133731.2](#), [NP_598492.1](#), [NP_598492.2](#)

RefSeq Size: 1343 bp

RefSeq ORF: 924 bp

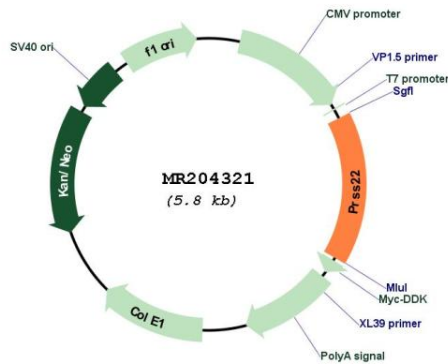
Locus ID: 70835

UniProt ID: [Q9ER10](#)

Cytogenetics: 17 12.18 cM

MW: 33.4 kDa

Product images:



Circular map for MR204321