

Product datasheet for **MG216636**

Prss28 (NM_053259) Mouse Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	TurboGFP
Symbol:	Prss28
Synonyms:	lsp1; mlsp-1
Mammalian Cell	Neomycin
Selection:	
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)

ORF Nucleotide Sequence: >MG216636 representing NM_053259
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTACTATAGGGCGCCGGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGTTTCAGACTGTTGCTCCTGGCTCTCCTGTCTGGAAAGTACCGTGTTTCATGGCCTCTGTATCTATCT
CCAGAAGCAAGCCAGTGGGCATTGTGGGGGTCAATGTACCCACCAGGAAAGTGGCCATGGCAGGTCAG
CCTAAGAATGTACAGTTACGAGGTGAACCTCTGGGTGCACATCTGTGGGGGCTCCATCATCCACCCTCAG
TGGATTCTGACTGCTGCTCACTGCATCAAAGTCAGGACGCCGACCCAGCCGTATACCGGGTCCAGGTGG
GGGAAGTATACCTCTATAAGGAGCAGGAACCTCTGAACATCAGCAGGATCATCATCCACCCTGACTACAA
CGATGTTAGTAAGAGGTTTGACTTGGCCCTGATGCAGTTGACTGCCCTCTGGTCACATCCACAAATGTC
AGTCCAGTCTCTGCCAAAAGACAGCTCAACCTTCGACTCCACTGACCAGTGTGGCTGGTGGCTGGG
GCAACCTTCTCAAACGTGTGCCTCTGCAGCCTCCCTATCAACTGCATGAGGTGAAGATCCCAATTCAGGA
CAACAAGAGCTGTAAGCGGGCTTATAGGAAGAAGTCATCCGACGAGCACAAAGCTGTGGCCATCTTTGAC
GACATGCTTTGTGCTGGCACCTCAGGCCGAGGCCCTGTTTGGTACTCTGGGGTCCCTTGGTCTGCT
GGAAGAGCAACAAGTGGATACAGGTGGCGTGGTCAGCAAGGGGATCGATTGAGCAACAATCTGCCATC
AATCTTCTCAAGAGTCCAGAGCTCCTTAGCCTGGATCCATCAACACATCCAG

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA



Protein Sequence: >MG216636 representing NM_053259
 Red=Cloning site Green=Tags(s)

MFRLLLALSCLESTVFMASVSI SRSPVGI VGGQCTPPGKWPQVSLRMYSYEVNSWVHICGGSIHPQ
 WILTAAHCIQSQDADPAVYRVQVGEVYLYKEQELLNISRIIHPDYNDVSKRFDLALMQLTALLVTSTNV
 SPVSLPKSSSTFDSTDQCWL VGWGNLLQRVPLQPPYQLHEVKIPIQDNKSKRAYRKKSSDEHKAVAFID
 DMLCAGTSGRGPCFGDSGGPLVCWKSNKI QVGVVSKGIDCSNNLPSIFSRVQSSLAWIHQHIQ

TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_053259

ORF Size: 822 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.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_053259.2](#), [NP_444489.2](#)

RefSeq Size: 1190 bp

RefSeq ORF: 825 bp

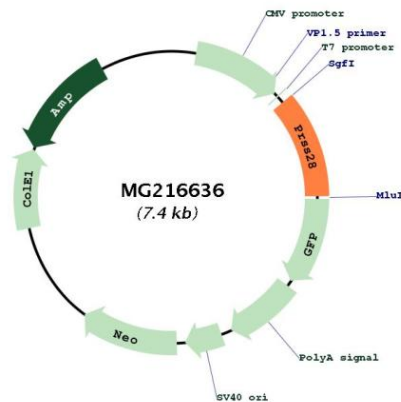
Locus ID: 114661

UniProt ID: [Q924N9](#)

Cytogenetics: 17 12.53 cM

Gene Summary: Involved in embryo hatching and implantation.[UniProtKB/Swiss-Prot Function]

Product images:



Circular map for MG216636