

Product datasheet for **RC225456**

PRSS41 (NM_001135086) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Tag:	Myc-DDK
Symbol:	PRSS41
Synonyms:	TESSP1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)

ORF Nucleotide Sequence: >RC225456 representing NM_001135086
Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCCGCGATCGCC

ATGGGCGCGCGCGGGGCGCTGCTGCTGGCGCTGCTGCTGGCTCGGGCTGGACTCGGGAAGCCGGGTGAGC
TCGGGGCGCTACAGGCGGGACCGGGGCGAGCGAGGAGGCCGGGAGGTGGAGGCCGCGAGGAGGCCTGCGG
CCACCGGGAATTCACGCGCTGGTGGCGGGCGGAGTGGAGTCCGCGCGCGGGCGCTGGCCATGGCAGGCC
AGCCTGCGCCTGAGGAGACGCCACCGATGTGGAGGGAGCCTGCTCAGCCGCCGCTGGGTGCTCTCGGCTG
CGCACTGCTTCCAAAAGCACTACTATCCCTCCGAGTGGACGGTCCAGCTGGGCGAGCTGACTTCCAGGCC
AACTCCTTGAACCTGCGGGCCTACAGCAGTCGTTACAAAGTGACAGGACATCATTGTGAACCTGACGCA
CTTGGGTTTTACGCAATGACATTGCCCTGCTGAGACTGGCCTCTTCTGTACCTACAATGCGTACATCC
AGCCCATTTGCATCGAGTCTTCCACCTTCAACTTCGTGCACCGCCGACTGCTGGGTGACCGGCTGGG
GTAAATCAGCCCCAGTGGCACACCTCTGCCACCTCCTTACAACCTCCGGGAAGCACAGGTACCATCTTA
AACAACACCAAGGTGAATTACCTGTTTGAACAGCCCTCTAGCCGTAGTATGATCTGGGATTCATGTTTT
GTGCTGGTGTGAGGATGGCAGTGTAGACACCTGCAAAGGTGACTCAGGTGGACCTTGGTCTGTGACAA
GGATGGAAGTGTGATCAGGTTGGAATCGTGAGCTGGGAATGGACTGCGGTCAACCAATCGGCTGGT
GTCTACACCAACATCAGTGTGTAATCCACTGGATCCGAGGGTGATGTCCACAGTACACCCAGGCCAA
ACCCCTCCCAGCTGTTGCTGCTCCTTGCCCTGCTGTGGGCTCCC

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA



Protein Sequence:

>RC225456 representing NM_001135086

Red=Cloning site Green=Tags(s)

MGARGALLLALLARAGLGKPGELGALQAGPGAARRPGGGGEEACGHREIHALVAGGVESARGRWPWQA
SLRLRRRHRCGGSLLSRRWVLSAAHCFQKHYPSEWTVQLGELTSRPTPNL RAYSSRYKVQDIIVNPDA
LGVLRNDIALRLASSVTYNAYIQPICIESSTFNFVHRPDCWVTGWGLISPSGTPLPPPYNLREAQVTIL
NNTRCNLYFEQPSRSMIWDMSMFCAGAEDGSVDTCCKGDSGGPLVCDKDGLWYQVGIVSWGMDCGQPNRPG
VYTNIISVYFHWIRRVMSHSTPRPNPSQLLLLLLALLWAP

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms:

https://cdn.origene.com/chromatograms/mk8033_d04.zip

Restriction Sites:

SgfI-MluI

Cloning Scheme:



ACCN:

NM_001135086

ORF Size:

954 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_001135086.1](#), [NP_001128558.1](#)

RefSeq ORF: 957 bp

Locus ID: 360226

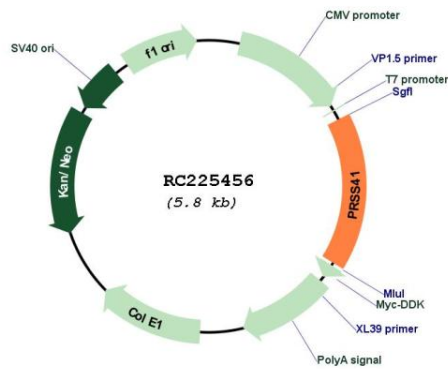
UniProt ID: [Q7RTY9](#)

Cytogenetics: 16p13.3

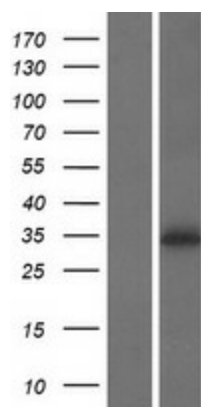
Protein Families: Druggable Genome

MW: 35.08 kDa

Product images:



Circular map for RC225456



Western blot validation of overexpression lysate (Cat# [LY427546]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from un-transfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC225456 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).