

Specifications:

Gene:	mTmprss2
Accession:	NP_056590.2
Insert size:	1486bp
Concentration:	10µg at 0.2µg/µL

mTMPRSS2 cDNA Plasmid

**Tmprss2 transmembrane
protease, serine 2 [*Mus
musculus* (house mouse)]**

Also known as: D16Erttd61e

Summary:

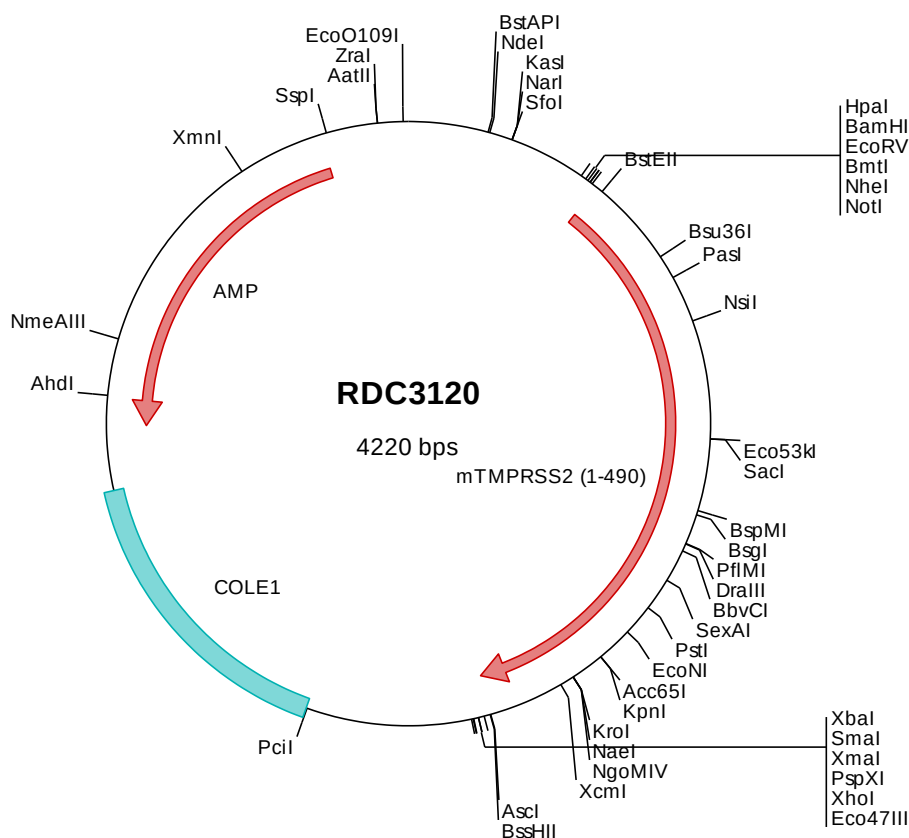
TMPRSS2 belongs to the serine protease family. It contains a type II transmembrane domain, a receptor class A domain, a scavenger receptor cysteine-rich domain and a protease domain. Serine proteases are known to be involved in many physiological and pathological processes. TMPRSS2 facilitates human SARS coronavirus (SARS-CoV) infection via two independent mechanisms: proteolytic cleavage of ACE2, which might promote viral uptake, and cleavage of coronavirus spike glycoprotein, which activates the glycoprotein for cathepsin L-independent host cell entry.

Description

This shuttle vector contains the complete ORF for the gene of interest, along with a Kozak consensus sequence for optimal translation initiation. It is inserted NotI to AscI. The gene insert is flanked with convenient multiple cloning sites which can be used to easily cut and transfer the gene cassette into your desired expression vector.

Preparation and Storage

Formulation	cDNA is provided in 10 mM Tris-Cl, pH 8.5
Shipping	Ships at ambient temperature
Stability	1 year from date of receipt when stored at -20°C to -80°C
Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles.



> RDC3120 Plasmid DNA Sequence

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1  tcgcgcgctt cggatgatgac ggtgaaaacc tctgacacat gcagctcccc gagacgggtc cagcttgtct gtaagcggat gccgggagca gacaagcccg
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> RDC3120 Translated Insert Sequence

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201 dqsgatsfkm lnvssgnvdl ykklhdsdc ssrmvslrc iecgvsvrkr qsrivgglna spgdwpwqvs lhwgvvhvcg gsiitpewiv taahcveep
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