Recombinant Transmembrane Protease, Serine 2 (TMPRSS2) Instruction Manual

SIPC178Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1μg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	27.0kDa
Accurate Molecular Mass	27kDa(Analysis of differences refer to the manual)
Residues & Tags	Ser284~Gly492 with N-terminal His Tag
Buffer Formulation	100mM$NaHCO_3$, 500mMNaCl, pH8.3, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	8.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

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                                        SIITPEW IVTAAHCVEK
PLNNPWHWTA FAGILRQSFM FYGAGYQVEK VISHPNYDSK TKNNDIALMK
LQKPLTFNDL VKPVCLPNPG MMLQPEQLCW ISGWGATEEK GKTSEVLNAA
KVLLIETQRC NSRYVYDNLI TPAMICAGFL QGNVDSCQGD SGGPLVTSKN
NIWWLIGDTS WGSGCAKAYR PGVYGNVMVF TDWIYRQMRA DG
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USAGE

Reconstitute in ddH_2O to a concentration of 0.1-1.0 mg/mL. Do not vortex.

STORAGE

Avoid repeated freeze/thaw cycles. Store at 2-8°C for one month. Aliquot and store at -80°C for 12 months.

STABILITY

The thermal stability is described by the loss rate. The loss rate was determined by accelerated thermal degradation test, that is, incubate the protein at 37°C for 48h, and no obvious degradation and precipitation were observed. The loss rate is less than 5% within the expiration date under appropriate storage condition.

Image

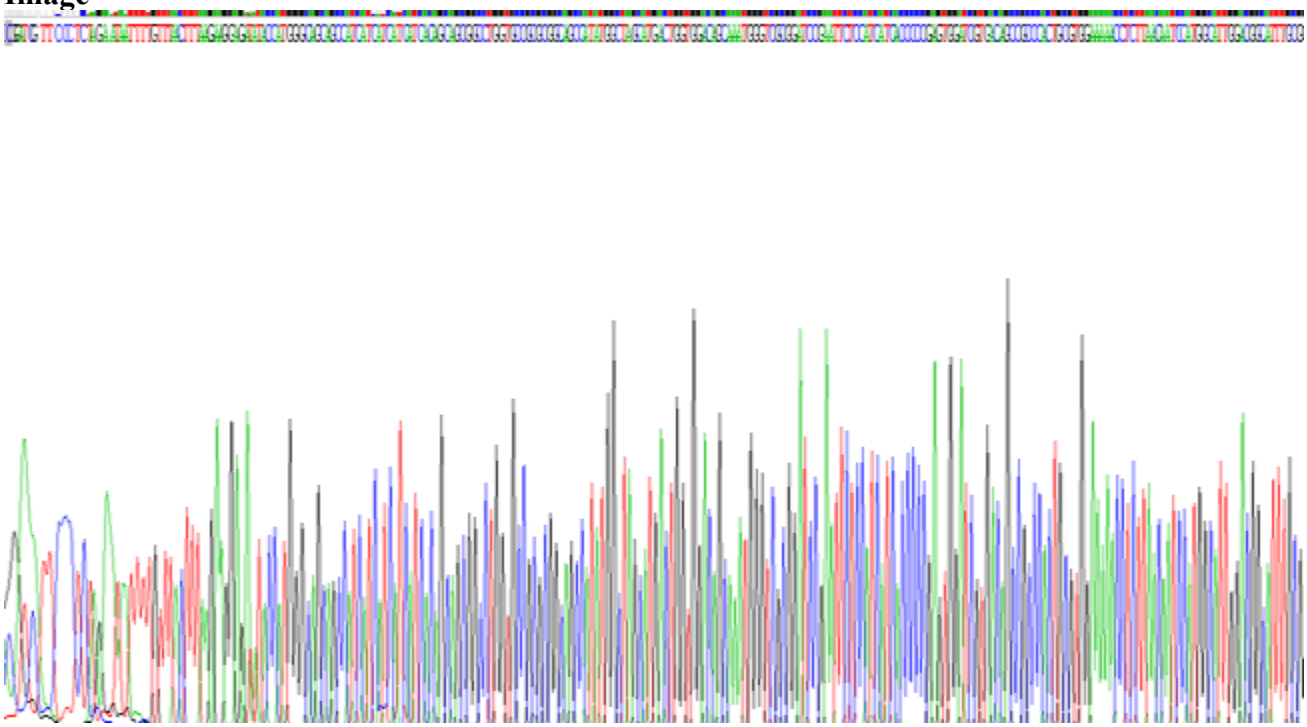

Figure. SDS-PAGE

[IMPORTANT NOTE]

The kit is designed for research use only, we will not be responsible for any issue if the kit was used in clinical diagnostic or any other procedures.