

Recombinant Natriuretic Peptide Receptor 1 (NPR1) Instruction Manual

SIPC450Hu01

Homo sapiens (Human)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Membrane
Predicted Molecular Mass	69.3kDa
Accurate Molecular Mass	70kDa(Analysis of differences refer to the manual)
Residues & Tags	Gly33~Glu473 with His and TRxA Tag
Buffer Formulation	20mM Tris, 150mM NaCl, pH8.0, containing 1mM EDTA, 1mM DTT, 0.01% SKL, 5% Trehalose and Proclin300.
Traits	Freeze-dried powder
Purity	> 97%
Isoelectric Point	5.2
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

GNLTVAVV LPLANTSYPW
SWARVGPAAVE LALAQVKARP DLLPGWTVRT VLGSSSENALG VCSDTAAPLA
AVDLKWEHNP AVFLGPGCVY AAAPVGRFTA HWRVPLLTAG APALGFGVKD
EYALTTRAGP SYAKLGDFVA ALHRRLGWER QALMLYAYRP GDEEHCFFLV
EGLFMRVRDR LNITVDHLEF AEDDLSHYTR LLRTMPRKGR VIYICSSPDA
FRTLMLLLE AGLCGEDYVF FHLDIFGQSL QGGQGPAPRR PWERGDGQDV
SARQAFQAAK IITYKDPDNP EYLEFLKQLK HLAYEQFNFT MEDGLVNTIP
ASFHDGLLLLY IQAVTETLAH GGTVTDGENI TQRMWNRSFQ GVTGYLKIDS
SGDRETD FSL WMDPENGAF RVVLNNGTS QELVAVSGRK LNWPLGYPPP
DIPKCGFDNE DPACNQDHLS TLE

USAGE

Reconstitute in 20mM Tris, 150mM NaCl (pH8.0) 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

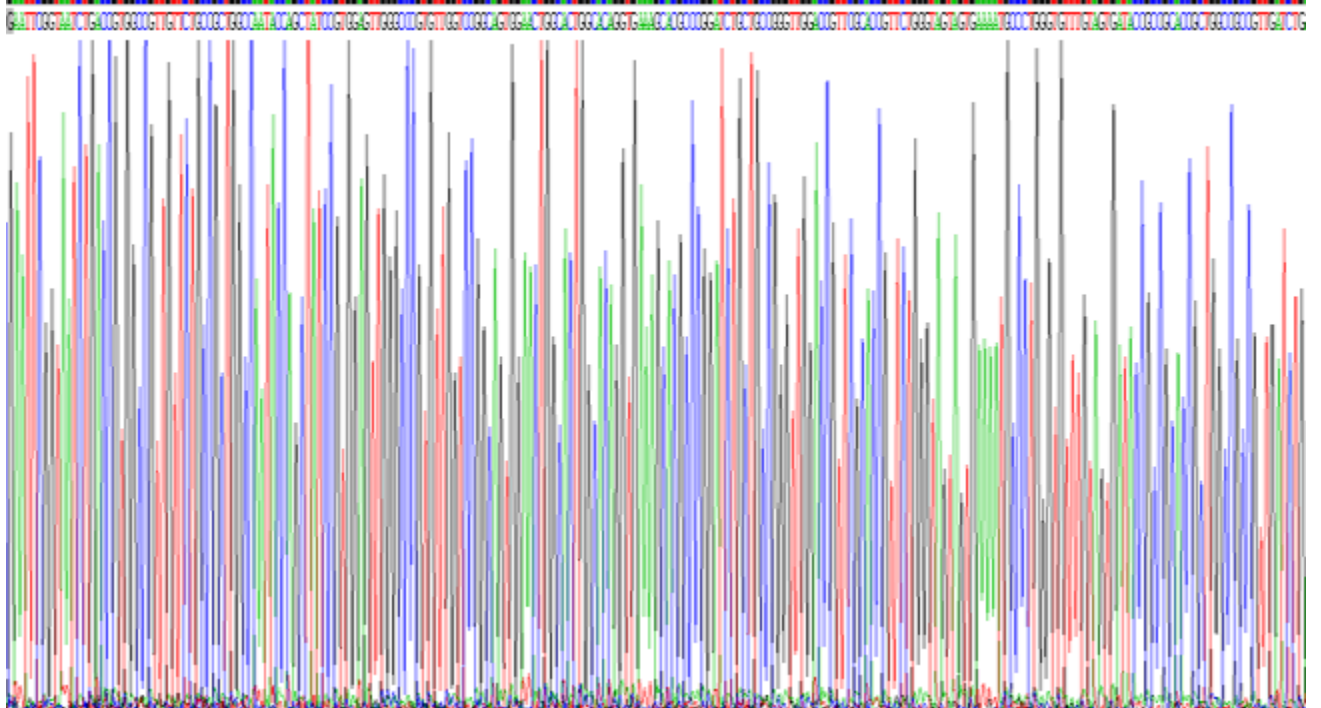


Figure. SDS-PAGE

[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.