

Recombinant Laminin Alpha 1 (LAMA1) Instruction Manual

SIPA242Ra01

Rattus norvegicus (Rat)

Source	Prokaryotic expression
Host	E.coli
Endotoxin Level	<1.0EU per 1µg (determined by the LAL method)
Subcellular Location	Secreted
Predicted Molecular Mass	25.4kDa
Accurate Molecular Mass	25kDa(Analysis of differences refer to the manual)
Residues & Tags	His41~Tyr230 with N-terminal His 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	8.9
Applications	Positive Control; Immunogen; SDS-PAGE; WB.

SEQUENCE

```

                                                                 HISANATCGE
KGPEMFCKLV  EHVPGRPVRH  AQCRVCDGNS  TNPRESHPIT  HAIDGTNNWW
QSPSIQNGRE  YHWVTVTLDL  RQVFQVAYVI  IKAANAPRPG  NWILERSVDG
VKFRPWQYYA  VSDTECLTRY  KITPRRGPT   YRADNEVICT  SYYSKLVPLE
HGEIHTSLIN  GRPSADDPSP  QLLEFTSARY
```

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.

