

KRISHZYME™ Enzymes for mRNA Vaccine

RNase Inhibitor (Recombinant)

This product is the murine RNase inhibitor recombinantly expressed in E. coli. It binds to RNase to form a complex, thereby inhibiting RNase activity and protecting target RNA from degradation.

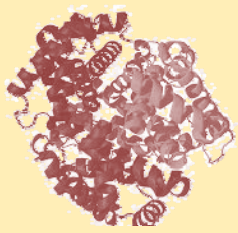
| Cat No | Composition | Storage Temperature (°C) | Product ID/Specification | |
|-----------|---|--------------------------|--------------------------|------------------|
| | | | KNB9005S (2.5 KU) | KNB9005L (10 KU) |
| KNB9005-I | RNase Inhibitor (Recombinant) (40 U/ul) | -20 | 62.5 ul | 250 ul |

Product Properties

Definition of Active Unit: 1 active unit is defined as the amount of enzyme needed to inhibit 50% of RNase A activity (RNase A activity is determined by inhibiting its hydrolysis of cytidine 2' and 3'-cyclic monophosphate).

Quality Control

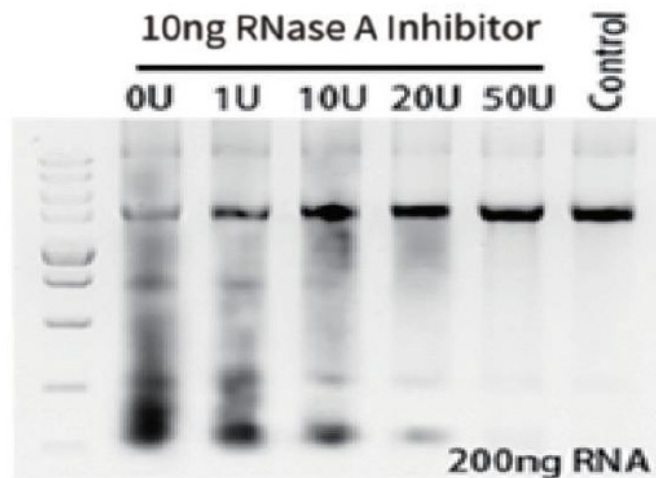
Purity \geq 95%,
Residual Host Cell DNA \leq 100pg/mg
Residual Host Cell Protein \leq 50 ppm
Residual Endotoxin \leq 10EU/mg
No residual RNase, Endonuclease, Exonuclease or Protease
Germ-free, Pathogen-free.



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Product Features

Efficient inhibition of the activity of RNase A, RNase B and RNase C, no nuclease contamination, no residual microbial-derived DNA. Improving the yield of all RNA experiment products and the mRNA integrity of IVT products. Suitable for almost all experiments sensitive to RNA integrity.



Product Information

| Cat No | Composition | Specification |
|---------|-------------------------------|---------------|
| KNB9005 | RNase Inhibitor (Recombinant) | 2.5 KU, 10 KU |

Other KRISHZYME mRNA Vaccine Enzymes Available

| Cat No | Product Particulars |
|---------|---------------------------------|
| KNB9001 | T7 RNA Polymerase |
| KNB9003 | mRNA Cap-2'-O-Methyltransferase |
| KNB9004 | Poly(A) Polymerase |
| KNB9005 | RNase inhibitor |
| KNB9006 | DNase I |
| KNB9007 | RNase III |
| KNB9008 | T4 RNA ligase |
| KNB9009 | Pyrophosphatase Inorganic |
| KNB9010 | Alkaline Phosphatase |
| KNB9011 | EcoR I |