Product Details

Salt Active GENIUS™Nuclease is developed by ACROBiosystems' unique enzyme evolution platform. It exhibits high activity at a wide range of salt concentrations (0-500 mM), making it ideal for removing host-cell nucleic acid impurities in manufacturing and bioprocessing workflows, especially suitable for improving efficiency and yield in various workflows with high salt concentrations.

Application

- AAV virus purification;
- Recombinant protein purification;
- Viscosity reduction in protein extracts.

Unit Definition

One unit will digest sonicated salmon sperm DNA to acid-soluble oligonucleotides equivalent to a ΔA260 of 1.0 in 30 min at pH 8.0 at 37 ℃, which corresponds approximately to complete digestion of 37 μg DNA. Note that 1 KU=1000 units.

Enzyme Activity

≥250 U/μL

Purity

>95% as determined by SDS-PAGE.

>95% as determined by SEC-HPLC.

Formulation

Supplied as 0.2 μm filtered solution in 25 mM Tris, 500 mM NaCl, 5 mM $MgCl_2$, pH7.5 with glycerol as protectant.

Contact us for customized product form or formulation.

Shipping

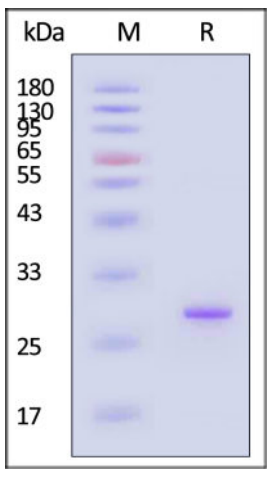
This product is supplied and shipped with dry ice, please inquire the shipping cost.

Storage

This product is stable after storage at:

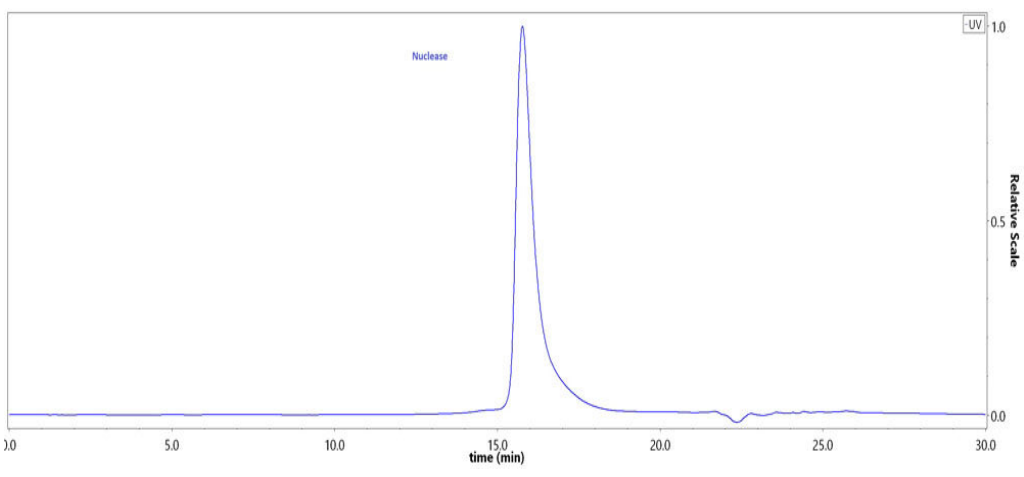
- The product MUST be stored at -20°C or lower upon receipt.
- -20°C for 1 year under sterile conditions.

SDS-PAGE



Salt Active GENIUS™Nuclease on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95% (With Star Ribbon Pre-stained Protein Marker).

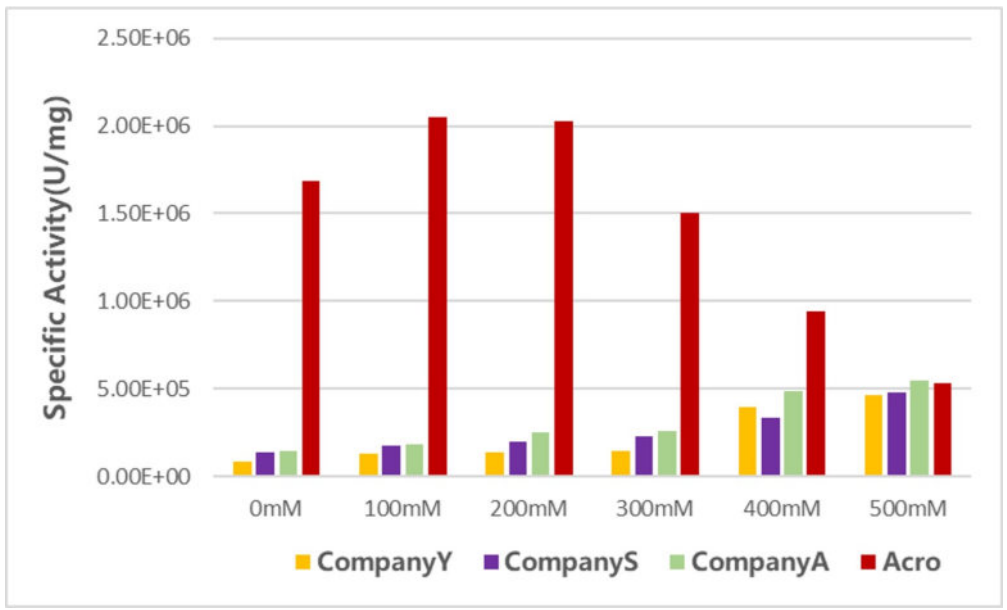
SEC-HPLC



The purity of Salt Active GENIUS™Nuclease (Cat. No. NUE-S5118) was greater than 95% as determined by SEC-HPLC.

Bioactivity

Discounts, Gifts, and more!



Specific activity of Salt Active GENIUS™Nuclease at different salt concentrations.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.