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## Product Datasheet

### **GENIUS(TM)Nuclease, Unconjugated, E. coli** **ABS-BEE-N3116-10KU**

|                            |                                                                                                                                                                                                                                                               |
|----------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Article Name               | GENIUS(TM)Nuclease, Unconjugated, E. coli                                                                                                                                                                                                                     |
| Biozol Catalog Number      | ABS-BEE-N3116-10KU                                                                                                                                                                                                                                            |
| Supplier Catalog Number    | BEE-N3116-10KU                                                                                                                                                                                                                                                |
| Alternative Catalog Number | ABS-BEE-N3116-10KU                                                                                                                                                                                                                                            |
| Manufacturer               | AcroBiosystems                                                                                                                                                                                                                                                |
| Host                       | E. coli                                                                                                                                                                                                                                                       |
| Category                   | Proteine/Peptide                                                                                                                                                                                                                                              |
| Species Reactivity         | Bacteria                                                                                                                                                                                                                                                      |
| Conjugation                | Unconjugated                                                                                                                                                                                                                                                  |
| Product Description        | GENIUS(TM)Nuclease is a recombinant form of Serratia marcescens extracellular endonuclease produced in Escherichia coli cells using a proprietary process at ACRObiosystems. GENIUS(TM)Nuclease is a homodimer with monomer molecular masses about 30 kDa.... |
| Molecular Weight           | 26.8 kDa                                                                                                                                                                                                                                                      |
| Tag                        | Native                                                                                                                                                                                                                                                        |
| Buffer                     | 20mM Tris, 20mM NaCl, 2mM MgCl2, pH8.0                                                                                                                                                                                                                        |
| Purity                     | 95%                                                                                                                                                                                                                                                           |
| Form                       | Powder                                                                                                                                                                                                                                                        |
| Target                     | Nuclease                                                                                                                                                                                                                                                      |

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| Application Notes | Its high intrinsic activity and broad substrate tolerance make the endonuclease an ideal tool in a variety of biotechnological and pharmaceutical applications: removal of nucleic acid from protein samples ( Elimination of nucleic acids from recombinant proteins, Purification of protein fragments from inclusion bodies, Sample preparation in western blotting or two-dimensional gel electrophoresis) , Viscosity reduction in protein extracts. |
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