Gelonin

Type I ribosome inactivating protein (RIP). Depurinates RNA in ribosomes, thus inhibiting protein synthesis in eukaryotic cells, which results in cell death. Widely used to construct immunotoxins composed of cell-targeted antibodies. As a type I RIP it lacks the lectin subunit and is practically non-toxic to intact cells. Inhibits cell-free protein synthesis in reticulocyte assay with globin messenger (IC_{50}=4.5ng/ml).

Citations: 26 View Online »

Ordering Information

Order Online »

ALX-350-150-M001	1mg

Manuals, SDS & CofA

View Online »

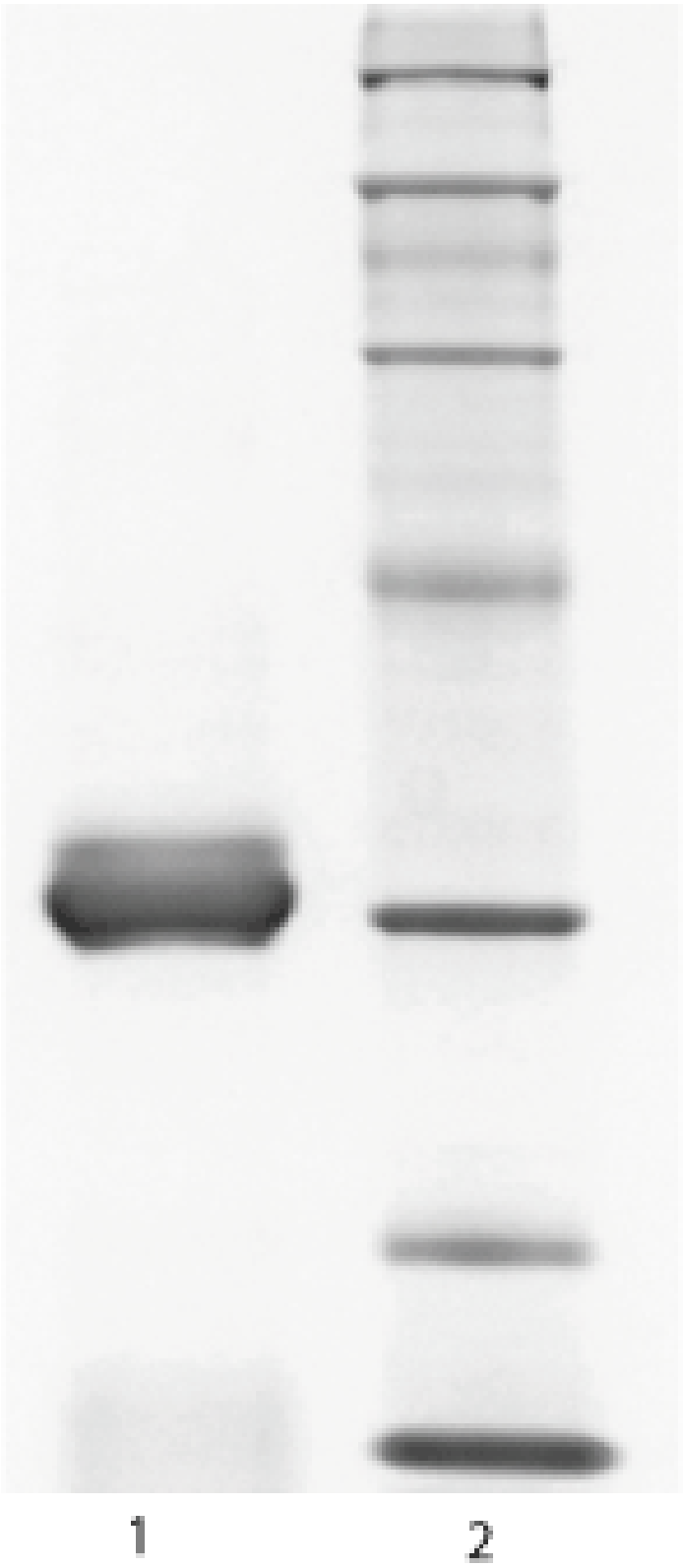


Figure: SDS-PAGE (12% polyacrylamidgel)
Lane 1: Gelonin,5µg
Lane 2: Proteinmarker (200-6,5 kDa)

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	-80°C
Shipping	Dry Ice

Regulatory Status

RUO - Research Use Only

Product Details

CAS	75037-46-6
Concentration	~2mg/ml
Formulation	Liquid. In 5mM phosphate buffer, pH 6.5, containing 5mM EDTA and 120mM sodium chloride.
MW	~30kDa
Purity	≥95%
Source	Isolated from *Gelonium multiflorum*.
UniProt ID	P33186

Last modified: May 29, 2024

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