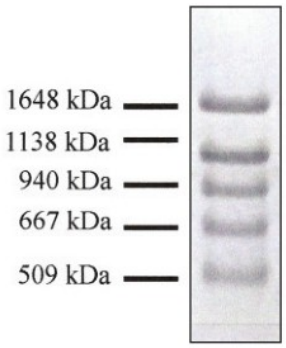
MegaProtein Ladder

Product Description

Name:	**MegaProtein Ladder, 500kDa – 1500 kDa** AS2IK0, 20 lanes. Each vial contains total 25 µg of five corresponding lyophilized hyaluronan polymers as sodium salts
Solubility :	Water
Storage:	Store at -20°C or below. To avoid frequent freeze-thaw, aliquoting is recommended. Avoid contamination with microbes or HA-degrading enzymes, proteases, high temperature or boiling.



Description:

MegaProtein Ladder is a hyaluronic acid (HA) preparation of uniform and narrow size distribution prepared by *in vitro* synthesis using recombinant *Pasteurella multocida* hyaluronan synthase. The MegaProtein Ladder is a mixture of 5 streptavidin complexes containing end-labeled biotin-megaprotein-HA molecules of very defined sizes for use as size standards in gel electrophoresis or other separation methods. The size (mass) of the monomeric HA sample was determined by SEC-MALLS. The migration of the four resulting complexes with streptavidin is well fit by a first order linear regression line (cc=-0,99), demonstrating that the complexes behave as expected for their predicted masses. (The contribution of the streptavidin protein's mass results in a very small mobility shift of high molecular mass HA on agarose gels; this effect is relatively insignificant for the higher order complexes.)

Recommended Usage Procedure:

Centrifuge the tube for a few seconds to collect the MegaProtein Ladder solution in the bottom of the tube. Carefully open and add 100 µL of sterile water directly to the bottom of the tube.

Allow two hours at 4°C for sample rehydration and then mix well before use.

Electrophoresis of 5µl of the sample using a standard gel loading buffer on an agarose gel (0.6-1%) results in clearly defined bands when stained with 0.005% Stain-All (50 % ethanol, # JQ6530).

References

1. Jing W. *et al., J. Biol. Chem*. 279, 42345-42349 (2004)

2. DeAngelis, P. L. *et al*., Identification and molecular cloning of a unique hyaluronan synthase from Pasteurella multocida. J Biol Chem, 273 (14), 8454-8 (1998)

3. Lee H.G. *et al., Analytical Biochem*. 219, 278-287 (1994)

Ordering information

Catalog size quantities and prices may be found at http://www.interchim.com.
Please inquire for higher quantities (availability, shipment conditions).
For any information, please ask : Uptima / Interchim; Hotline : +33(0)4 70 03 73 06

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