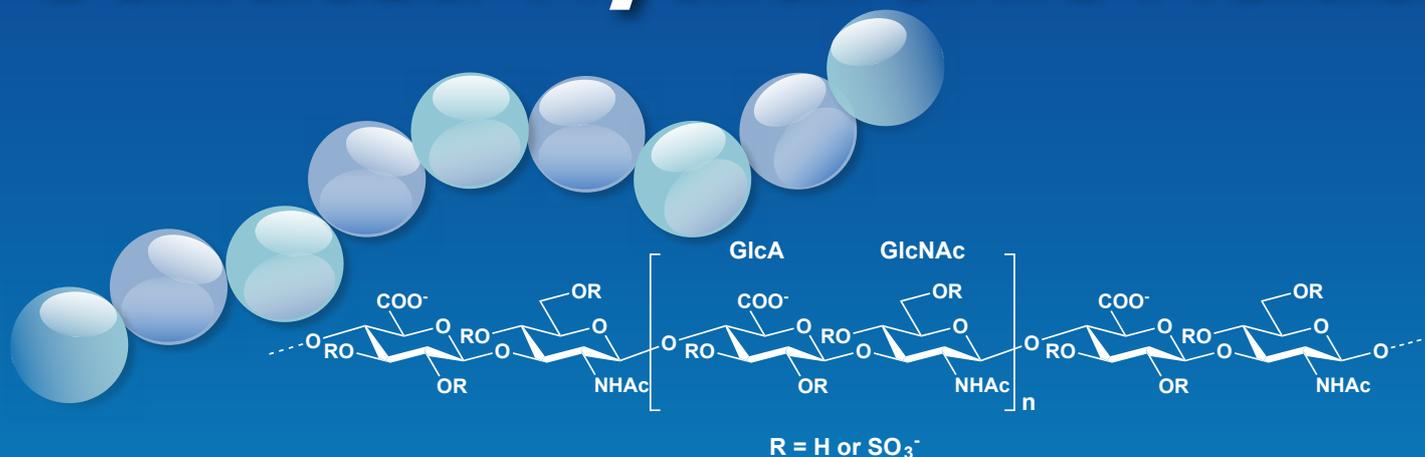


Sulfated Hyaluronic Acids



Hyaluronic Acid, High-Sulfated
Hyaluronic Acid, Low-Sulfated

10mg [H1739]

10mg [H1740]

Application

Maintaining the undifferentiated state of hiPS cell



**Differentiated
(control)**



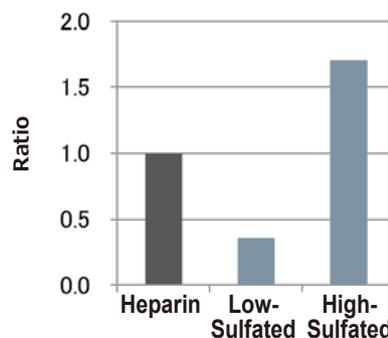
**Undifferentiated
(Hyaluronic Acid, High-Sulfated)**

Sulfated hyaluronic acid maintains the undifferentiated state of hiPS cells under feeder-free and bFGF-free conditions.

These data were kindly provided by Prof. Shoko Nishihara and Dr. Taichi Miura, Soka University.

Reference Highly sulfated hyaluronic acid maintains human induced pluripotent stem cells under feeder-free and bFGF-free conditions
 T. Miura, N. Yuasa, H. Ota, M. Habu, M. Kawano, F. Nakayama, S. Nishihara, *Biochem. Biophys. Res. Commun.* **2019**, 518, 506.
<https://doi.org/10.1016/j.bbrc.2019.08.082>

Stabilization of bFGF



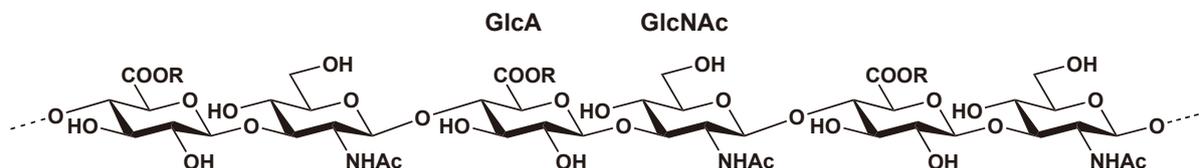
Low- and high- sulfated hyaluronic acid were individually added to bFGF and incubated at 37°C for 3 days, followed by SDS-PAGE and image analysis to calculate the bFGF content.

High-sulfated hyaluronic acid has a greater capacity to preserve bFGF than heparin.

Sulfated Hyaluronic Acids

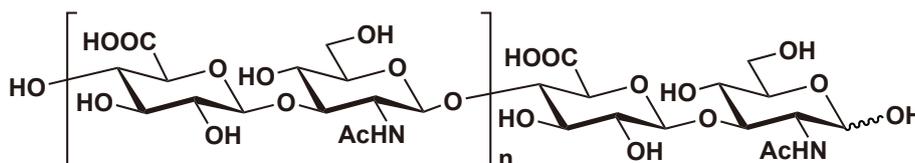
Related Products

Hyaluronic Acids



R=H	Hyaluronic Acid from Cockscomb	1g	[H0595]
R=Na	Hyaluronic Acid Sodium Salt from Cockscomb	100mg / 1g	[H0603]
R=K	Hyaluronic Acid Potassium Salt from Cockscomb	1g	[H0652]

Oligo Hyaluronic Acids: $[\text{GlcA}\beta(1-3)\text{GlcNAc}\beta(1-4)]_n\text{-GlcA}\beta(1-3)\text{GlcNAc}$



n=1	Hyaluronate Tetrasaccharide	1mg / 5mg	[H1284]
n=2	Hyaluronate Hexasaccharide	1mg / 5mg	[H1285]
n=3	Hyaluronate Octasaccharide	1mg	[H1148]
n=4	Hyaluronate Decasaccharide	1mg	[H1149]
n=5	Hyaluronate Dodecasaccharide	1mg	[H1666]

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