Hyaluronan synthase (PmHAS)

Cat. No.: HY-E70027

CAS No.: 39346-43-5

Target: Endogenous Metabolite

Pathway: Metabolic Enzyme/Protease

Storage: Please store the product under the recommended conditions in the Certificate of Analysis.

Hyaluronan synthase

BIOLOGICAL ACTIVITY

Description	Hyaluronan synthase (PmHAS) is a membrane protein that requires only Mg^{+2} and two sugar-UDP substrates (GlcUA-UDP and GlcNAc-UDP) to polymerize HA chains. Hyaluronan synthase (PmHAS) catalyzes the biosynthesis of hyaluronic acid (HA) [1][2].

REFERENCES

[1]. Agarwal G, et al. Biosynthesis of Hyaluronic acid polymer: Dissecting the role of sub structural elements of hyaluronan synthase. Sci Rep. 2019 Aug 29;9(1):12510.

[2]. Weigel PH. Hyaluronan Synthase: The Mechanism of Initiation at the Reducing End and a Pendulum Model for Polysaccharide Translocation to the Cell Exterior. Int J Cell Biol. 2015;2015:367579.

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